

Date of Issue: June 18, 2025 Revision Date: N/A Version Number: **1.0**

Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifiers

Catalog Number	KOA0708
Product Name	Mouse uPAR AccuSignal ELISA Kit

Components:

Anti- Mouse Plaur Pre-coated 96-well strip microplate Mouse Plaur Standard (contains Proclin 300) Mouse Plaur Biotinylated antibody(100x) (contains Proclin 300) Avidin-Biotin-Peroxidase Complex (ABC)(100x) (contains Proclin 300) Sample Diluent (contains Proclin 300) Antibody Diluent (contains Proclin 300) Avidin-Biotin-Peroxidase Diluent (contains Proclin 300) Color Developing Reagent(TMB) (contains 3,3',5,5'-Tetramethylbenzidine and hydrogen peroxide) Stop Solution (contains sulfuric acid) Wash Buffer(25X) Plate Sealers

1.2 Application of the substance or mixture

For research use only.

1.3 Company Identification

Rockland Immunochemicals, Inc. 321 Jones Boulevard Pottstown, PA 19464 (800) 656-7625

2.HAZARDS IDENTIFICATION

See additional safety data sheets

1. DENTIFICATION OF THE SUBSTANCE/MIXTURE

1.1 Product Identifiers

Product name: Mouse Plaur Standard (contains Proclin 300) Mouse Plaur Biotinylated antibody(100x) (contains Proclin 300) Avidin-Biotin-Peroxidase Complex (ABC)(100x) (contains Proclin 300) Sample Diluent (contains Proclin 300) Antibody Diluent (contains Proclin 300) Avidin-Biotin-Peroxidase Diluent (contains Proclin 300)



2.HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [GHS/CLP] or 29 CFR $\,$

1910.1200 [OSHA]

Sensitization, skin - Category 1

2.2 Label Element

Labeling according to Regulation (EC) No 1272/2008 [GHS/CLP]

Pictogram(s):

Signal Word:WARNING Hazard

statements:

H317: May cause an allergic skin reaction.

Precautionary statements:

P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.

P272: Contaminated work clothing should not be allowed out of the workplace.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302+352: IF ON SKIN: Wash with plenty of soap and water.

P333+313: If skin irritation or rash occurs: Get medical advice/attention.

P362+P364: Take off contaminated clothing and wash it before reuse. Other Hazards: None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Description: Proclin 300

Component	CAS-No.	Index-No.	Concentration
Mixture of 5-Cloro-2 Methyl- 4-Isothiazolin-3 One (26172- 55-4) and - Methyl-4-Isothiazolin-3 One (2682-20-4)	55965-84-9	613-167-00-5	0.04%

4.FIRST AID MEASURES

Skin contact	Immediately take off contaminated clothing or shoes. Wash with plenty of soap and water. Consult a physician.
Eye contact	Rinse immediately with plenty of water. Consult a physician.
Ingestion	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Immediately consult a physician.



Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Notes to physician 5.FIRE FIGHTING MEASURES	Treat symptomatically.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special precautions for fire-fighters	Self contained breathing apparatus and full protective clothing must we worn in case of fire.
Special hazards arising from the substance or mixture	In combustion, may emit toxic fumes.
6.ACCIDENTAL RELEASE MEASURES	
Personal precautions	Use appropriate personal protective equipment to prevent contamination of skin, eyes and personal clothing. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.
Environmental precautions	Keep away from drains.
Methods and materials for containment and cleaning up	Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.
7.HANDLING AND STORAGE	1
Handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use normal measures for preventive fire protection.
Storage 8.EXPOSURE CONTROLS/PERSONAL PROTECTION	Store according to product specifications.

Control parameters: Contains no substances with occupational exposure limit values.

Individual protection measures: Wash hands thoroughly after handling chemical products and before eating, smoking or using the toilet. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.



Eye/face protection	Wear approved safety goggles.
Skin/hand protection:	Handle with protective gloves, plastic or rubber. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Body protection	Wear suitable protective clothing as protection against splashing or contamination.
Other skin protection	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved.
Respiratory protection	In case of inadequate ventilation, use a suitable respirator. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9.PHYSICAL AND CHEMICAL PROPERTIES

Important Health Safety and Environment Information

a) Appearance Form:	Liquid.
b) Odour	no data available
c) Odour Threshold	no data available
d) pH	no data available
e) Melting point/freezing point	no data available
f) Initial boiling point and boiling range	no data available



Mouse uPAR AccuSignal ELISA Kit SDS

g) Flash point	no data available
h) Evaporation rate	no data available
i) Flammability (solid, gas)	no data available
j) Upper/lower flammability or explosive	no data available
limits	
k) Vapour pressure	no data available
l) Vapour density	no data available
m) Relative density	no data available
n) Water solubility	no data available
o) Partition coefficient: noctanol/water	no data available
p) Auto-ignition temperature	no data available
q) Decomposition temperature	no data available
r) Viscosity	no data available
s) Explosive properties	no data available
t) Oxidizing properties	no data available
10.STABILITY AND REACTIVITY	
Reactivity	Stable under recommended transport or storage conditions.
Reactivity	stable under recommended transport of storage conditions.



Chemical Stability	Stable under recommended storage and handling
	conditions.
Conditions to avoid	Heat, moisture.
Incompatible materials	Strong acids/alkalis, strong oxidising/reducing agents.
Hazardous decomposition products	Strong acids/alkalis, strong oxidising/reducing agents.
Hazardous polymerization	Hazardous polymerization does not occur.

11.TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity: Classified based on available data.

Skin irritant effect: Classified based on available data.

Serious Eye Damage / Irritation: Classified based on available data Respiratory or Skin Sensitization:

Classified based on available data.

Germ Cell Mutagenicity: Classified based on available data.

Carcinogenicity: Classified based on available data.

Reproductive Toxicity: Classified based on available data.

Specific Target Organ Toxicity - Single Exposure: Classified based on available data.

Specific Target Organ Toxicity - Repeated Exposure: Classified based on available data.

Symptoms / Routes of Exposure :

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Ingestion: There may be irritation of the throat.

Skin: There may be mild irritation at the site of contact.

Eyes: There may be irritation and redness.

Delayed / Immediate Effects: No known symptoms.

Additional Information: Classified based on available data.

12. ECOLOGICAL INFORMATION

Toxicity: No data available. Persistence and degradability: No data available. Bioaccumulative potential: No data available. Mobility in soil: No data available. Results of PBT and vPvB assessment: No data available. Other adverse effects: No data available.

13.DISPOSAL CONSIDERATIONS



Disposal methods	Transfer to a suitable container and arrange for collection by specialized disposal company in accordance with national, regional, or local legislation.
Contaminated packaging	Dispose of in a regulated landfill site or other method for hazardous or toxic wastes in accordance with national, regional, or local legislation.

14.TRANSPORT INFORMATION

DOT	Not dangerous goods.
ADR	Not dangerous goods.
1474	Nat desperave seeds
ΙΑΤΑ	Not dangerous goods.

15. **REGULATORY INFORMATION**

US Federal and State Regulations SARA 313 Components Not applicable. SARA 311/312 Hazards Not applicable. CERCLA Reportable Quantity Not applicable. California Prop. 65 Components Not applicable.

16. OTHER INFORMATION

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since Rockland Immunochemicals, Inc. cannot control the actual methods, volumes, or conditions of use, the company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein.

1. DENTIFICATION OF THE SUBSTANCE/MIXTURE

1.1 Product Identifiers

Product name:

Color Developing Reagent(TMB) (contains 3,3',5,5'-Tetramethylbenzidine and hydrogen peroxide)



2.HAZARDS IDENTIFICATION

Emergency Overview: These products do not contain any substances above any specific or generic concentration limits according to EC directives or respective national laws.

Classification of the mixture: These products do not contain any substances above any specific or generic concentration limits according to EC directives or respective national laws.

Label Elements: The products do not need to labeled with hazard elements. Other Hazards: None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chamical Name		EC No.	Constration
Chemical Name	CAS-No	EC No.	Concentration
3,3',5,5'-Tetramethylbe nzidine	54827-17-7	259-364-6	<0.06%
Hydrogen peroxide	7722-84-1	231-765-0	<0.03%

4.FIRST AID MEASURES

Skin contact	Wash off with soap and plenty of water. Consult a physician.
Eye contact	Flush eyes with water as a precaution.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Notes to physician 5.FIRE FIGHTING MEASURES	Treat symptomatically.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or
	carbon dioxide. Ensure adequate ventilation.



No data available.
Wear self-contained breathing apparatus for firefighting if necessary.
Use standard laboratory practices including proper personal protective equipment.
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.
For disposal see section 13.
Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. For precautions see section 2.2.
Store according to product specifications.

Exposure Guidelines

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Engineering measures

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

If exposure limits are exceeded or irritation is experienced,
NIOSH/MSHA approved respiratory protection should be
worn. Positive-pressure supplied air respirators may be
required for high airborne contaminant concentrations.
Respiratory protection must be provided in accordance with
current local regulations.
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Hand protection	Impervious gloves.
Eye protection	No special protective equipment required.
Skin and body protection	No special protective equipment required.

9.PHYSICAL AND CHEMICAL PROPERTIES

a) Appearance Form: Clear liquid, colorless to trace blue. b) Odour Minimal odor characteristics. c) Odour Threshold no data available d) pH $pH = 3.1 \pm 0.5$ e) Melting point/freezing point no data available f) Initial boiling point and boiling range no data available g) Flash point no data available no data available h) Evaporation rate i) Flammability (solid, gas) no data available j) Upper/lower flammability or explosive limits no data available no data available k) Vapour pressure no data available I) Vapour density

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Important Health Safety and Environment Information



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m) Relative density	no data available
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n) Water solubility	no data available
o) Partition coefficient: noctanol/water	no data available
p) Auto-ignition temperature	no data available
q) Decomposition temperature	no data available
r) Viscosity	no data available
s) Explosive properties	no data available
<u> </u>	
t) Ovidining another	TMD is readily evidend by evidence enouty and a second
t) Oxidizing properties	TMB is readily oxidized by oxidizing agents such as common metal cations and trace metals, forming blue or yellow
	colored products.
10.STABILITY AND REACTIVITY	
Chemical Stability	Stable under recommended storage and handling conditions.
Conditions to Avoid	Prolonged exposure to elevated temperature and light may
	cause blue or yellow color formation, and reduced reactivity.
Materials to Avoid	Strong oxidizing agents, strong acids. Contact with metals or
	metal surfaces may cause blue or yellow color formation.
Possibility of hazardous reactions	Hazardous reaction has not been reported.
Hazardous decomposition products	High temperature or fire conditions may cause toxic vapor
	formation, including oxides of carbon, nitrogen, and formation
	of hydrogen chloride gas.
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Hazardous polymerization	Hazardous polymerization does not occur.
Conditions to quaid	
Conditions to avoid	None under normal processing.

11.TOXICOLOGICAL INFORMATION

Acute toxicity

Toxicity: Not classified as acutely toxic by oral, dermal, or inhalation routes.

Ingestion: No data available.

Skin Contact: No data available.

Eye Contact: No data available.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Carcinogenicity: No components of this product present at levels greater than or equal to 0.1% are identified as probable, possible, or confirmed human carcinogens by IARC. **Reproductive Toxicity:** No data available.

Specific Organ Toxicity: No data available

Delayed / Immediate Effects: No data available.

12. ECOLOGICAL INFORMATION

Aquatic toxicity: No data available. Persistence and degradability: No data available. Bioaccumulative potential: No data available. Mobility in soil: No data available. Other adverse effects: No data available.

13.DISPOSAL CONSIDERATIONS

Disposal methods	Dispose of waste in accordance to applicable national, regional, or local regulations.
Contaminated packaging	Do not re-use empty containers.

14.TRANSPORT INFORMATION

Transport class: Not hazardous for transport. The goods are not regulated for transport by IATA.

15. **REGULATORY INFORMATION**

US Federal and State Regulations

SARA 313 Components

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No



Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

California Prop. 65 Components This product does not contain any Proposition 65 chemicals.

16. **OTHER INFORMATION**

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since Rockland Immunochemicals, Inc. cannot control the actual methods, volumes, or conditions of use, the company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein.

1. DENTIFICATION OF THE SUBSTANCE/MIXTURE

1.1 Product Identifiers

Product name: Stop Solution (contains sulfuric acid)

2.HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008 [GHS/CLP] or 29 CFR 1910.1200 [OSHA]

Skin Corrosion/Irritation - Category 2 Serious eye damage/eye irritation - Category 2A

2.2 Label Element Labeling according to Regulation (EC) No 1272/2008 [GHS/CLP]

Pictogram(s):	

Signal Word: WARNING Hazard

statements:

H315: Causes skin irritation.

H319: Causes serious eye irritation.

Precautionary statements:

P264: Wash hands thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302+352: IF ON SKIN: Wash with plenty of soap and water.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321: Specific treatment (see Section 4).

P332+313: If skin irritation occurs: Get medical advice/attention.

P337+313: If eye irritation persists: Get medical advice/attention.

P362+364: Take off contaminated clothing and wash it before reuse. Other Hazards: None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances



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Mouse uPAR AccuSignal ELISA Kit SDS

Chemical Name	CAS-No	EC No.	Concentration	Classification
Sulfuric acid	7664-93-9	231-639-5	2%	H315,H319

4.FIRST AID MEASURES

Skin contact	Immediately take off contaminated clothing or shoes. Wash
	with plenty of soap and water.
	Consult a physician.
Eye contact	Rinse immediately with plenty of water, also under the
	eyelids, for at least 15 minutes.
Ingestion	Never give anything by mouth to an unconscious person.
	Rinse mouth with water. Immediately consult a physician.
Inhalation	Move to fresh air.
Notes to physician	Treat symptomatically.
5.FIRE FIGHTING MEASURES	
Flammable properties	Not flammable.
Flash point	Not determined.
Suitable ortinguishing modia	Water spray, alcohol-resistant foam, dry chemical or carbon
Suitable extinguishing media	dioxide.
	dioxide.
Protective equipment for firefighters	As in any fire, wear self-contained breathing apparatus
rescurve equipment for menginers	pressure-demand, MSHA/NIOSH
	(approved or equivalent) and full protective gear
	to prevent contact with skin and eyes.
6.ACCIDENTAL RELEASE MEASURES	
Personal precautions	Use personal protective equipment. Ensure adequate
	ventilation.



Environmental precautions	Try to prevent the material from entering drains or water courses.
Methods and materials for containment and cleaning up	Soak up with inert absorbent material.
Methods for containment	Prevent further leakage or spillage if safe to do so.
7.HANDLING AND STORAGE	
Handling	Avoid inhalation of vapour or mist.

Store in a cool, dry place, isolated from organic materials, nitrates, carbides, chlorates, chlomates and cyanides.

8.EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines:

Storage

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical Name	CAS-No	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sulfuric acid	7664-93-9	TWA: 0.2 mg/m3 thoracic fraction	TWA: 1 mg/m3 (vacated) TWA: 1 mg/m3	IDLH: 15 mg/m3 TWA: 1 mg/m3

Exposure Guidelines:This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Personal protective equipment

Respiratory protection	In case of inadequate ventilation, use a suitable respirator.
Hand protection	Rubber gloves.
Eye protection	Safety glasses with side-shields.
Skin and body protection	Lightweight protective clothing



Mouse uPAR AccuSignal ELISA Kit SDS

Hygiene measures	Handle in accordance with good industrial hygiene and
	safety practice.

9.PHYSICAL AND CHEMICAL PROPERTIES

Important Health Safety and Environment Information

a) Physical State	Liquid.
b)Boiling Point	no data available
c)Freezing/Melting Point	no data available
d)Autoignition Temperature	no data available
e)Flash Point	no data available
f)Explosion Limits, lower	no data available
g)Decomposition Temperature	no data available
h)Solubility in water	no data available

10.STABILITY AND REACTIVITY

Chemical Stability	Stable.
Materials to avoid	Metallic sulfides and metal powers.
Hazardous decomposition products	Sulfur dioxide, hydrogen sulfide, hydrogen gas.
Polymerization	No information available.

11.TOXICOLOGICAL INFORMATION

Acute toxicity

Product Information

Product does not present an acute toxicity hazard based on known or supplied information.



Chemical Name	LD50 OI	ral		50 Dermal	LC50 Inhalation	
		ſdI	LD	SU Dermai		
	21.10					
Sulfuric acid	2140 mg/kg	(Rat)			510 mg/m3 (Rat) 2 h 347 ppm (Rat) 1 h	
Principle Routes of Exposure	Potential Health ef	fects	1			
Eyes			Causes eye	burns.		
Skin			Causes skin	irritation.		
Inhalation			May be har	mful if inhaled.		
Ingestion			May be har	mful if swallowed.		
Specific effects						
Carcinogenic effects			This product contains one or more substances which are			
				c to humans (Group I), s (Group 2A) or possibly		
			to humans (Group			
Mutagenic effects		No informa	tion available.			
Reproductive toxicity		No informa	tion available.			
Reproductive toxicity			No information available.			
Sensitization		No information available.				
Target Organ Effects		No information available.				
						_
Chemical Name	ACGIH	IA	RC	NTP	OSHA	
Sulfuric acid	A2	Gro	up 1	Known	x	
· · · · · · · · · · · · · · · · · · ·						-

ACGIH: (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

IARC: (International Agency for Research on Cancer)



Group 1 - Carcinogenic to Humans NTP: (National Toxicity Program) Known - Known Carcinogen OSHA: (Occupational Safety & Health Administration) X - Present

12. ECOLOGICAL INFORMATION

Ecotoxicity The environmental impact of this product has not been fully investigated.

		1			[]
Chemical Name	Toxicity to algae	Toxicity to fish		Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Sulphuric acid		500: 96 h Brachydanio rerio mg/L LC50 static			29: 24 h Daphnia magna mg/L EC50
13.DISPOSAL CONSIDER	ATIONS				
Disposal methods			to Federal re become a ha comes in cor additions are processed or determine w		his material could ed with or otherwise aste, if chemical r if the material is ult 40 CFR 261 to
Contaminated packaging	_			se empty containers.	
This product contains one or more substances that are listed with		th the State o	of California as a hazardou	us waste.	
С	Chemical Name			California Hazardous W	/aste Status
14 TRANSPORT INFORM	Sulfuric acid			Toxic Corrosiv	/e

14.TRANSPORT INFORMATION

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The substance does not belong to explosive substances; does not belong to flammable substances; does not belong to oxidizing substances; does not belong to toxic substances; does not belong to radioactive substances; does not belong to corrosive substances and without other danger.

Proper shipping name	SULFURIC ACID



Hazard Class	8
Subsidiary Class	No information available.

15. **REGULATORY INFORMATION**

SARA 313 Components

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Sulphuric acid	CAS-No.	Weight	SARA 313 - Threshold Values
	7664-93-9	2%	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Reactive Hazard	No
Sudden Release of Pressure Hazard	No

Clean Water Act This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Sulphuric acid Substances	CAS-No.	CWA – Reportable	Quantities	Quantities
	7664-93-9	1000 lb		х

California Prop. 65 Components This product contains the following Proposition 65 chemicals.



Sulphuric acid	CAS-No.	Weight	Category
	7664-93-9	2%	Carcinogen

16. OTHER INFORMATION

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since Rockland Immunochemicals, Inc. cannot control the actual methods, volumes, or conditions of use, the company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein.



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