

Material Safety Data Sheet



1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Identification of the Substance/Preparation

Product Number BE69023
Product Name Mouse Galectin ELISA Kit

Company Identification

Immuno-Biological Laboratories, Inc. (IBL-America)
8201 Central Ave NE, Suite P, Minneapolis, MN 55432
Toll Free: (888) 523-1246
Fax: (763) 780-2988
www.ibl-america.com
info@ibl-america.com

2. COMPOSITION, INFORMATION ON INGREDIENTS

Component	Size
One 96-well plate pre-coated with anti-mouse Galectin antibody	1 x 96 wells
Lyophilized mouse Galectin standards	2 x 10 ng
Sample / Standard diluent buffer	1 x 30 mL
Biotin conjugated anti-mouse Galectin antibody (Concentrated)	1 x 130 µL
Antibody diluent buffer	1 x 12 mL
Avidin-Biotin-Peroxidase Complex (ABC) (Concentrated)	1 x 130 µL
ABC diluent buffer	1 x 12 mL
TMB substrate	1 x 10 mL
Stop solution	1 x 10 mL
Wash buffer (25X)	1 x 30 mL

3. HAZARDS IDENTIFICATION

<u>Known Hazardous Components</u>	<u>CAS Number</u>	<u>Percent</u>
Proclin 300	96118-96-6	
Sample / Standard diluent buffer		0.05%
Antibody diluent buffer		0.05%
ABC diluent buffer		0.05%

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Biotin conjugated anti-mouse Galectin antibody 0.05%
ABC (Concentrated) 0.05%

<u>Known Hazardous Components</u>	<u>CAS Number</u>	<u>Percent</u>
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Sulfuric acid	7664-93-9	
Stop solution		2N

<u>Known Hazardous Components</u>	<u>CAS Number</u>	<u>Percent</u>
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3,3'- 5,5'-Tetramethylbenzidine	54827-17-7	
TMB substrate		0.04%

4. FIRST AID MEASURES

Skin contact	Wash off immediately with plenty of water.
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.
Inhalation	Move to fresh air.
Notes to physician	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media	Dry chemical
Special protective equipment for firefighters	Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Use personal protective equipment
Methods for cleaning up	Soak up with inert absorbent material

7. HANDLING AND STORAGE

Handling	No special handling advice required
Storage	Keep in property labeled containers

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits

Safety shower and eye bath, mechanical exhaust required. Wash thoroughly after handling. Wash contaminated clothing before reuse.

Avoid inhalation. Avoid contact with eyes, skin and clothing. Store as indicated on product label. Avoid prolonged or repeated exposure.

SPECIAL PROTECTIVE EQUIPMENT: Wear suitable protective clothing, including gloves, safety glasses, dust mask, and a laboratory coat.

SPECIAL PRECAUTIONS: Not for human or drug use. Not for household use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Sample / Standard diluent buffer

Form: liquid

Colour: colorless

Odour: odorless

Boiling point: approx. 100°C

Flashpoint: not applicable

Autoignition temperature: not self-igniting

Explosion properties: not explosive.

Vapour pressure: undetermined.

Solubility: Water: 100%.

Solvent percentage: < 0.0%

TMB substrate

Form: liquid

Colour: colorless

Odour: odorless

Boiling point: approx. 100°C

Flashpoint: not applicable

Autoignition temperature: product is not self-igniting

Explosion properties: not explosive.

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Vapour pressure: undetermined.

Solubility: Water: 100%.

Solvent percentage: < 0.0%

Stop Solution

Form: liquid

Colour: colorless

Odour: odorless

Boiling point: approx. 100°C

Flashpoint: not applicable

Autoignition temperature: product is not self-igniting

Explosion properties: not explosive.

Vapour pressure: undetermined.

Solubility: Water: 100%.

Solvent percentage: < 0.0%

Antibody diluent buffer

Form: liquid

Colour: colorless

Odour: odorless

Boiling point: approx. 100°C

Flashpoint: not applicable

Autoignition temperature: product is not self-igniting

Explosion properties: not explosive.

Vapour pressure: undetermined.

Solubility: Water: 100%.

Solvent percentage: < 0.0%

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ABC diluent buffer

Form: liquid

Colour: colorless

Odour: odorless

Boiling point: approx. 100°C

Flashpoint: not applicable

Autoignition temperature: product is not self-igniting

Explosion properties: not explosive.

Vapour pressure: undetermined.

Solubility: Water: 100%.

Solvent percentage: < 0.0%

ABC (Concentrated)

Form: liquid

Colour: colorless

Odour: odorless

Boiling point: approx. 100°C

Flashpoint: not applicable

Autoignition temperature: product is not self-igniting

Explosion properties: not explosive.

Vapour pressure: undetermined.

Solubility: Water: 100%.

Solvent percentage: < 0.0%

Biotin conjugated anti-mouse Galectin antibody

Form: liquid

Colour: colorless

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Odour: odorless

Boiling point: approx. 100°C

Flashpoint: not applicable

Autoignition temperature: product is not self-igniting

Explosion properties: not explosive.

Vapour pressure: undetermined.

Solubility: Water: 100%.

Solvent percentage: < 0.0%

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions
Materials to avoid	No information available
Hazardous decomposition products	No information available
Polymerization	Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Principle Routes of Exposure/Potential Health effects

Eyes	No information available
Skin	Harmful in contact with skin.
Inhalation	Harmful by inhalation.
Ingestion	Harmful if swallowed.

Specific effects

Carcinogenic effects	No information available
Mutagenic effects	No information available
Reproductive toxicity	No information available
Sensitization	No information available
Target Organ Effects	Skin, respiratory system. Gastrointestinal tract (GI).

12. ECOLOGICAL INFORMATION

Ecotoxicity effects	No information available
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Mobility	No information available
Biodegradation	No information available
Bioaccumulation	No information available

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

IATA

Proper shipping name	Not classified as dangerous in the meaning of transport regulations
Hazard Class	No information available
Subsidiary Class	No information available
Packing group	No information available
UN-No	No information available

15. REGULATORY INFORMATION

Observe the general safety regulations when handling chemicals. No single component contains a hazardous ingredient in an amount that requires identification and labelling.

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 IBL-America 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.

End of Material Safety Data Sheet

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