

MATERIAL SAFETY DATA SHEET**SECTION 1 - Product and Company Information**

Product name: IgA (Rat) ELISA Kit
Company: Abnova (Taiwan) Corporation
Address: 3F, No.132, Siyuan Rd., Jhongli City, Taoyuan County, 320 Taiwan.
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SECTION 2 - Hazards Identification

Hazard classification: Irritant
Hazard statements: May cause skin irritation. May cause serious eye irritation.

GHS Labelling:



Precautionary statements: Wear safety eyewear, lab coat, nitrile gloves at all times when handling. Practice good laboratory hygiene. Do not eat, do not drink, and do not use tobacco products while handling. Wash hands thoroughly after use.

SECTION 3 - Composition/Information on Ingredient

Kit Component	Ingredient	Concentration in mixture	CAS #	UN #
Stop Solution	Sulfuric Acid	0.3M	7664-93-9	2796
ChromogenSubstrate (TMB)	3,3',5,5'-Tetramethylbenzidine	≤0.05%	54827-17-7	Not Available
5X Diluent	Proclin 300	0.25%	55965-84-9	3265
20X Wash Buffer	Proclin 300	0.05%	55965-84-9	3265
Enzyme-Antibody Conjugate	Thimerosal	<0.004%	54-64-8	2025
Calibrator	Sodium Azide	≤0.1%	26628-22-8	1687

SECTION 4 - First aid measures

Eyes:	Flush the eyes with copious amounts of water for at least 15 minutes. Remove contact lenses if present and flush for at least 15 minutes. Do not re-insert contact lenses. Assure adequate flushing by separating eyelids with fingers. Call a physician.
Ingestion:	Wash mouth with water provided person is conscious. Call a physician or poison control.
Inhalation:	Remove to fresh air. If not breathing, administer artificial respiration. If breathing is difficult, give oxygen. Call a physician.
Most Important symptoms, acute and delayed:	Skin or tissue irritation; burns may be possible if response delayed.

SECTION 5 - Firefighting measures

Fire Extinguisher Type:	Use water spray, dry chemical, carbon dioxide, or chemical foam.
Fire Fighting Procedure:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Substance is noncombustible.
NFPA Rating:	(estimated) Health: 2; Flammability: 0; Instability: 0

SECTION 6 - Accidental release measures

General Information:	Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks:	Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.

SECTION 7 - Handling and storage

Handling:	Wash thoroughly after handling. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.
Storage:	Store in a tightly closed container. Store at 4°C in a cool, dry, well-ventilated area away from incompatible substances.

SECTION 8 - Exposure Controls

Eyes:	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR
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1910.133 or European Standard EN166.

- Skin:** Wear appropriate protective gloves to prevent skin exposure.
- Clothing:** Wear appropriate protective clothing to prevent skin exposure.
- Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

SECTION 9 - Physical and chemical properties

- Appearance:** Clear liquid solution
- pH:** ~0.9
- Boiling point:** Not available
- Vapor density:** Not available
- Vapor pressure:** Not available
- Density (g cm⁻³):** Not available
- Flash point:** Not available
- Explosion limits:** Not available
- Auto ignition temperature:** Not available

SECTION 10 - Stability and reactivity

- Stability:** Stable until the product expiration date indicated on the product label under the recommended storage conditions.
- Conditions to avoid:** Heating above room temperature, freezing, contaminating.
- Incompatible Materials:** Water, strong oxidizing agents, strong bases, metals.
- Reactivity:** Do not add water as the resulting mixture may become exothermic. Avoid contact with metals as hydrogen gas may be produced
- Chemical Stability:** Stable until the product expiration date indicated on the product label under the recommended storage conditions.
- Hazardous decomposition products:** Sulfur oxide and hydrogen gases may be released during a fire.

SECTION 11 - Toxicological information

- Skin corrosion / irritation:** May cause irritation
- Teratogenicity:** No data at supplied concentration
- Reproductive Effects:** No data at supplied concentration
- Mutagenicity:** No data at supplied concentration
- Neurotoxicity:** No data at supplied concentration
- Symptoms / injuries after inhalation:** May cause irritation

Symptoms / injuries after skin contact: May cause irritation

Symptoms / injuries after eye contact: May cause irritation

Symptoms / injuries after ingestion: May cause irritation

SECTION 12 - Ecological information

Not available

SECTION - 13 Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

RCRA U-Series: None listed.

SECTION 14 - Transport information

Overland transportation (ADR/RID): As a mixture, the substance is subject to no limitations.

Transatlantic transportation (IMDG): As a mixture, the substance is subject to no limitations.

Air transportation (ICAO/IATA): As a mixture, the substance is subject to no limitations.

SECTION 15 - Regulatory information

The product does not contain a hazardous ingredient in an amount that requires identification and labeling according to EC directives.

SECTION 16 - Other Information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Abnova shall not be held liable for any damage resulting from handling or from contact with the above product.