

SAFETY DATA SHEET

OSHA HCS 29 CFR 1910.1200 & WHMIS 2015 Compliant

SECTION 1: Identification

- **Product Name:** VitroView™ LSAB IHC Kit (Mouse IgG) (For 100 Tests)
- **SKU / Catalog Number:** VB-6015
- **Manufacturer:** VitroVivo Biotech LLC, 405 E Gude Dr, Suite 214, Rockville, MD 20850, USA
- **Emergency Phone:** +1 (301) 500-0499
- **Recommended Use:** Laboratory chemical for research use only (Immunohistochemistry).

SECTION 2: Hazard(s) Identification

GHS Classification: Not a hazardous substance or mixture according to the Globally Harmonized System (GHS) as formulated. Individual kit components contain preservatives at concentrations below GHS classification thresholds.

GHS Label Elements: Not applicable. Signal Word: None. Pictograms: None. Hazard Statements: None.

Precautionary Statements: P264: Wash hands thoroughly after handling. P280: Wear protective gloves/clothing/eye protection. P302+P352: IF ON SKIN: Wash with plenty of soap and water. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.

SECTION 3: Composition / Information on Ingredients

The product is a multi-component kit consisting of the following aqueous reagents:

Component Name	Volume	Hazardous Ingredients / Preservatives	CAS Number & %
RTU Normal Horse Serum	10 mL	Sodium Azide (Preservative)	26628-22-8 (< 0.1%)
RTU Biotinylated Anti-Mouse Secondary Antibody	10 mL	Sodium Azide (Preservative)	26628-22-8 (< 0.1%)
RTU Streptavidin-HRP	10 mL	ProClin 300 (Preservative, alternative to Azide)	55965-84-9 (< 0.05%)

SECTION 4: First-Aid Measures

- **Inhalation:** Move person into fresh air. If not breathing, give artificial respiration. Consult a physician if symptoms develop.
- **Skin Contact:** Wash off immediately with plenty of soap and water. Remove contaminated clothing. Get medical attention if irritation develops.
- **Eye Contact:** Flush eyes thoroughly with water for at least 15 minutes, holding eyelids open. Remove contact lenses if present and easy to do. Get medical attention if irritation persists.
- **Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Do NOT induce vomiting. Consult a physician.

SECTION 5: Fire-Fighting Measures

- **Suitable Extinguishing Media:** Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide standard for surrounding fire.
- **Specific Hazards:** Thermal decomposition can lead to the release of irritating gases and vapors (carbon oxides, nitrogen oxides).
- **Protective Equipment:** Wear self-contained breathing apparatus (SCBA) and full protective gear for firefighting if necessary.

SECTION 6: Accidental Release Measures

- **Personal Precautions:** Use personal protective equipment. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation.
- **Environmental Precautions:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
- **Clean-up Methods:** Soak up with inert absorbent material (e.g., sand, silica gel, universal binder). Package securely in designated closed disposal containers.

SECTION 7: Handling and Storage

- **Handling:** Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Wash thoroughly after handling.
- **Storage:** Keep container tightly closed in a dry, cool, and well-ventilated place. Recommended storage temperature: 2–8°C. Do not freeze. Keep away from incompatible materials.

SECTION 8: Exposure Controls / Personal Protection

- **Exposure Limits:** Contains no substances with occupational exposure limit values at their active kit concentrations. Pure Sodium Azide has an ACGIH TLV ceiling of 0.29 mg/m³, not reached here.
- **Engineering Controls:** Handle in accordance with good industrial hygiene and safety practices. Ensure eyewash stations are near the workstation.
- **Personal Protective Equipment (PPE):**
 - Eye Protection: Safety glasses with side-shields conforming to EN166 / NIOSH standards.
 - Skin Protection: Chemical-resistant protective gloves (nitrile or latex) and lab coat.

- **Respiratory Protection:** Not required under normal use conditions. Use appropriate respirator if ventilation is inadequate.

SECTION 9: Physical and Chemical Properties

- **Appearance:** Clear, colorless to light straw-colored liquid liquids.
- **Odor:** Odorless.
- **pH:** Aqueous solutions, buffered between 7.0 and 7.6.
- **Boiling Point / Melting Point:** Approx. 100°C / Approx. 0°C
- **Flash Point / Flammability:** Not applicable (aqueous mixture).
- **Solubility:** Fully miscible in water.

SECTION 10: Stability and Reactivity

- **Reactivity:** Stable under recommended storage conditions.
- **Chemical Stability:** Stable under recommended storage conditions.
- **Possibility of Hazardous Reactions:** Sodium Azide can react with lead and copper plumbing to form highly explosive metal azides. Kit concentrations are extremely low, but disposal flushing with copious water is advised.
- **Incompatible Materials:** Strong oxidizing agents, heavy metals, strong acids.
- **Hazardous Decomposition Products:** Formed under fire conditions: Carbon oxides, nitrogen oxides.

SECTION 11: Toxicological Information

- **Acute Toxicity:** No quantitative data available for the formulated mixtures. Low concentrations of individual ingredients rule out classification.
- **Skin/Eye Irritation:** May cause mild, temporary skin or eye irritation upon direct contact.
- **Sensitization / Mutagenicity:** No sensitizing or mutagenic effects known at kit component concentration levels.
- **Carcinogenicity:** No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible, or confirmed human carcinogen by IARC, NTP, or OSHA.

SECTION 12: Ecological Information

- **Ecotoxicity:** No specific environmental toxicity data available for these mixtures. Avoid discharging large volumes into municipal drains.
- **Persistence / Bioaccumulation:** Aqueous matrices are highly degradable. Bioaccumulation potential is low.

SECTION 13: Disposal Considerations

- **Waste Treatment:** Dispose of waste in accordance with local, state, and federal environmental regulations. For solutions containing trace sodium azide, flush with a large volume of water to prevent accumulation in metal plumbing.

SECTION 14: Transport Information

- **DOT (US):** Not regulated as dangerous goods for transport.
- **IMDG (Sea):** Not regulated as dangerous goods for transport.
- **IATA (Air):** Not regulated as dangerous goods for transport.

SECTION 15: Regulatory Information

- **TSCA Status:** All components are listed on the TSCA Inventory or are exempt.
- **SARA 302/313:** No components in this kit exceed the de minimis reporting levels established by SARA Title III, Section 302 or 313.
- **California Proposition 65:** This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: Other Information

- **Preparation Date:** September 19, 2026
- **Revision Index:** Rev. 1.0
- **Disclaimer:** The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release. This is for informational purposes only. For medical advice or diagnosis, consult a professional.