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Mouse IgG Antibody, Agarose

Catalog #: ICP1678

Product Description
Monoclonal antibody production using cell culture systems sometime requires the use of fetal calf serum. Purification of the mouse antibody from the cell culture supernatant using Protein A/G systems may result in contamination with bovine IgG. Anti-mouse IgG agarose is the mouse IgG-specific affinity matrix that could selectively purify mouse IgG from mouse serum, ascites and the supernatant of the hybridoma culture media, without pulling-down bovine IgG. This anti-mouse IgG agarose was prepared using antigen-specific affinity purified anti-mouse IgG as the immobilized antibodies. More than 20 mg of pure anti-mouse IgG was covalently immobilized onto the Agarose beads via a highly stable thiol-ether bond. This product has been successfully used to replace Protein A/G agarose for more specific affinity purification of mouse IgG with high binding capacity > 10 mg/mL.

Species
Goat

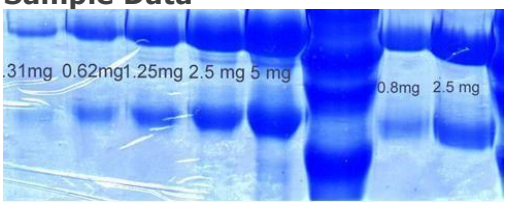
Formulation
1 mL agarose beads in 2 mL slurry with 50% glycerol.

Ligand Immobilized
30-40 mg antigen specific affinity-purified anti-mouse IgG/mL

Binding Capacity
> 10 mg/mL of mouse IgG

Storage & Stability
Product is stable for several weeks at 4°C. Store product at negative 20ºC. Avoid cycles of freezing and thawing. Expiration date is one year from date of shipping if properly stored.

Applications
Affinity Chromatography; Immunoprecipitation

Sample Data


Purification of mouse IgG from monoclonal cell culture supernatant with anti-mouse IgG agarose.
Fraction 1: 0.8 mg/mL

Fraction 2: 2.5 mg/mL

IgG Std: 0.31 - 5 mg/mL

For in vitro research use only. Not recommended or intended for diagnosis of diseases in humans or animals. Do not use in humans or in animals.

MATERIAL SAFETY DATA SHEET

Article 1 - Product Identification and Use

Product Name: Mouse IgG Antibody, Agarose **Catalog #: ICP1678**

This product is sold only for research use by qualified laboratory personnel, and is not to be used as a drug, medical device, food additive, cosmetic, nor household chemical. It is not to be used in diagnostic, therapeutic, consumer, agricultural, nor pesticidal applications.

Manufacturer's Name:	ImmuneChem Pharmaceuticals Inc.
Street Address:	*#253-5489 Byrne Road*
City, Prov. Postal Code:	*Burnaby, BC, V5J 3J1*
Fax:	604-431-6425
EMERGENCY PHONE:	604-453-0169

Article 2 - Hazardous Ingredients

NOT AVAILABLE. We are not aware of any hazards associated with this product or its ingredients, but the chemical, physical, and toxicological properties of this product have not been investigated thoroughly. Observe normal laboratory precautions.

Article 3 - Physical Data

Transparent liquid.

Article 4 - Fire and Explosion Hazard

NOT APPLICABLE

Article 5 - Reactivity Data

- Chemical Stability: Stable under recommended storage conditions.
- Conditions to avoid: Light.
- Materials to Avoid: Strong oxidizing agents.
- Hazardous Products: Formed under fire conditions – Carbon oxides, Hydrogen bromide gas.

Article 6 – Toxicologically Data

May be harmful by inhalation, ingestion, or skin absorption. The toxicological properties of this product have not been investigated thoroughly. Exercise due caution.

Article 7 - Preventative Measures

Wear chemical safety goggles and compatible chemical-resistant gloves. Avoid inhalation, contact with eyes, skin or clothing.

*****MULTIPLE COMPONENT SPILL OR LEAK PROCEDURES*****

- Wear protective equipment.
- Absorb on sand or vermiculite and place in closed containers for disposal.
- Observe all federal, state and local environmental regulations.

Article 8 - First Aid Measures

- If swallowed, wash out mouth with water, provided person is conscious. Call a physician.
- In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. If a rash or other irritation develops, call a physician.
- If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.
- In case of eye contact, flush with copious amounts of water for at least 15 minutes while separating the eyelids with fingers. Call a physician.

Article 9 - Preparation

Prepared By: Hao Xiao Phone #: 1-604-431-6425

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. ImmuneChem shall not be held liable for any damage resulting from handling or from contact with the above product. See the Technical Specification, Packing Slip, Invoice, and Product Catalogue for additional terms and conditions of sale.