

Avidin, HRP

Product Description

Purified egg avidin was conjugated to horse radish peroxidase (HRP) via reductive amination. Avidin has a strong affinity for biotin. Avidin HRP conjugates were found to be useful for the detection of materials with biotin residues.

Source

Chicken egg

Formulation

2 mg/mL in PBS and 50% glycerol

Immunogen

AFB1 o-methylcarboxylate conjugated to BSA

Purification

Antigen-specific affinity chromatography and free antigen competitive elution system.

Specificity

The antibody recognizes Aflatoxin B1 specifically; cross reactivity to other aflatoxins not tested yet.

Storage & Stability

Product is stable for several weeks at 4°C. For extended storage, aliquot content and store product at -20°C. Avoid cycles of freezing and thawing. Expiration date is six months from date of shipping if properly stored.

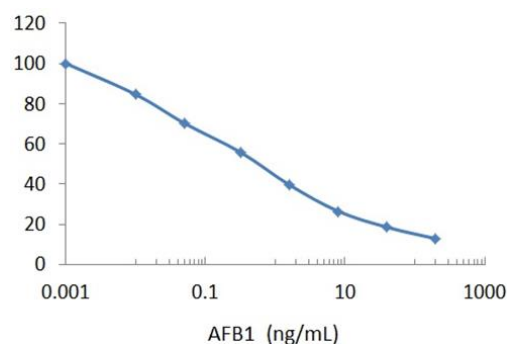
Applications

Direct ELISA

Catalog #: ICP0617

Lot #:061517

Aflatoxin B1 is a food borne mycotoxin which is carcinogenic to both humans and animals. Contamination with AFB1 in food may be harmful to humans and animals.



Direct competitive inhibition ELISA using immobilized AFB1-BSA (ICP1203, 0.1 g/L) and anti-AFB1 HRP (0.1 µg/µL), 50% inhibition occurred at 0.5 ng/mL of free AFB1 under a non-optimized condition.

Scientific Description

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: AFB1 (Aflatoxin B1) Antibody, HRP, Rabbit

Catalog #: ICP1202

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.
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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.
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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.
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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.
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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.

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