

AFM1 (Aflatoxin M1) HRP

Catalog #: ICP1788

Lot #: 102916

Product Description

This product is cross-linked Aflatoxin M1 to Horse radish peroxidase (HRP). It is useful as an antigen-labelled peroxidase paired with the anti-Aflatoxin antibody in a direct ELISA.

Formulation

500ug/mL in 50% Glycerol

Conjugation

Aflatoxin M1 methylcarboxyloxime linked to HRP via amine acylation.

AFB1/HRP molar ratio:1:1

ELISA Titer

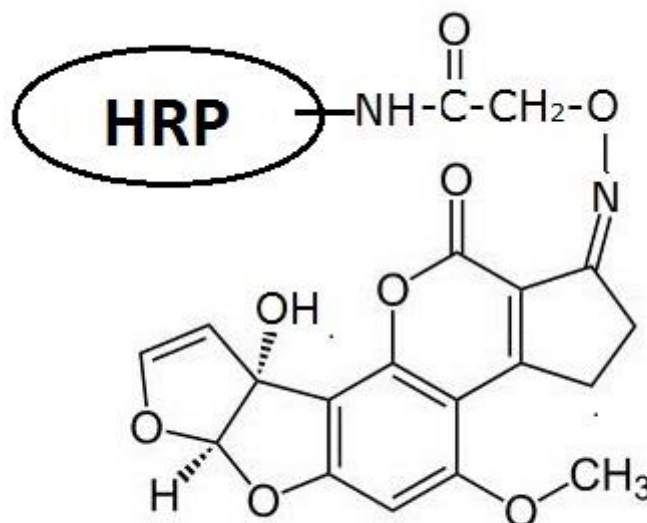
OD50 ELISA titer for AFM1-HRP is approximately 0.05-0.1 µg/mL in plate immobilized with 0.25 µg/mL of rabbit anti-AFM1 (ICP1798). OD signal was 50% inhibited by 1 ng/mL of free AFM1

Storage & Stability

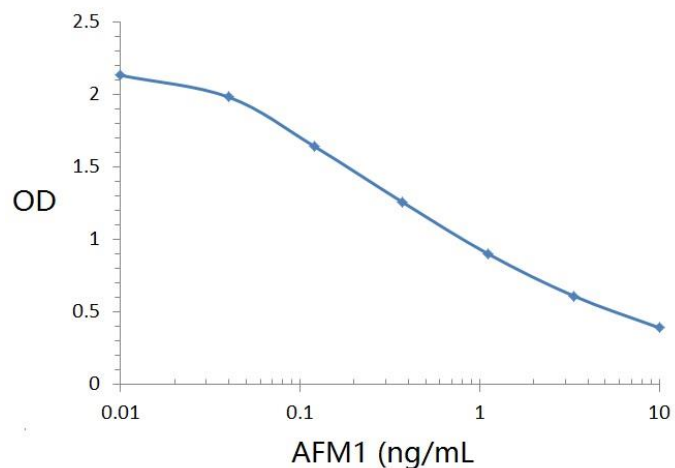
Product is stable for at least 30 days at room temperatures. For at least on year when stored at -20°C.

Applications

Direct ELISA : suggested use concentration: 0.1-0.25 µg/mL



Structure of the AFM1-HRP Conjugates



Direct competitive inhibition ELISA using immobilized anti-AFM1 (ICP1798, 0.2 µg/µL) and AFM1-HRP (ICP1788, 0.1 µg/mL), 50% inhibition occurred at 0.5-1 ng/mL of free AFM1 in a non-optimized conditions

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: Aflatoxin M1 HRP

Catalog #: ICP1788

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.

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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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