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Biotin Antibody, HRP

Catalog #: ICP0612

Product Description
d-Biotin is a natural vitamin that binds to avidin strongly and irreversibly. This antibody was developed and affinity purified using d-biotin as an antigen. The antibody binds biotin strongly but irreversibly. This antibody has been used for direct competitive ELISA for quantization of d-biotin and western-blot analysis of the biotinylated antibodies and proteins and immunohistochemistry staining when primary antibodies were biotinylated.

Species
Rabbit

Formulation
1 mg/mL in stabilizing buffer.

Storage & Stability
Product is stable for minimum 30 days at room temperatures. For extended storage, store the product at –20ºC. Expiration date is 12 months from the date of shipping if properly stored.

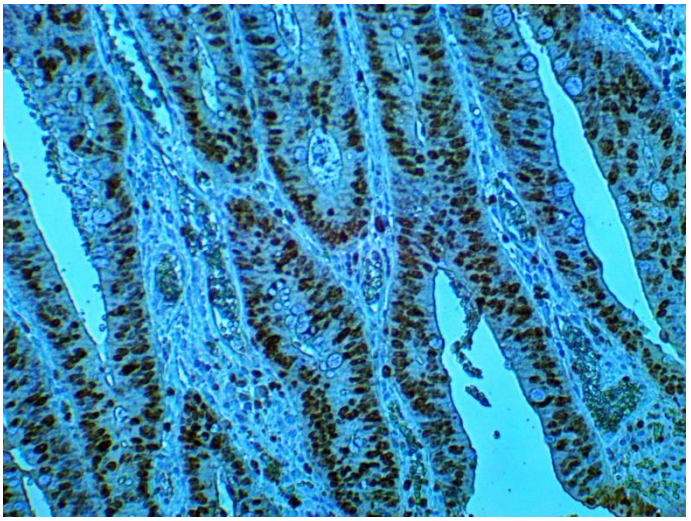
Immunogen
d-Biotin-KLH conjugates.

Conjugation
HRP/Ab molar ratio - 10:1

Specificity
The antibody reacts with free biotin and biotinylated antibody and proteins.

Applications
ELISA: 0.1-0.2 µg/mL
WB: 0.1-0.2 µg/mL
IHC: 10-20 µg/mL

Data
Immunohistochemistry staining of human colon cancer tissues
1st Ab: Mouse anti-MLH
2nd Ab: biotinylated rabbit anti-mouse IgG
3rd Ab: Rabbit anti-biotin HRP (ICP0612)



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: Biotin Antibody, HRP **Catalog #: ICP0612**

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.