

## Triiodothyronine (T3) Antibody

**Catalog #: ICP1320**

Lot #: 092413

### Product Description

This antibody was developed using Triiodothyronine (T3) linked to the immunogenic carrier protein -KLH conjugates as the immunogen. The T3-specific antibodies were affinity purified with antigen-specific affinity chromatography and eluted by competitive free T3. The antibody could be utilized for detection, quantization and affinity isolation and purification of estradiol in biofluid.

### Species

Rabbit

### Formulation

250 µg/mL in PBS with 50% glycerol.

### Storage & Stability

Product is stable at least for 6 months at 4°C. For extended storage, store product at -20°C. Expiration date is one year from date of shipping if properly stored.

### Immunogen

T3-linked KLH protein conjugates

### Purification

Antigen-specific immune-affinity chromatography and free T3 competitive elution

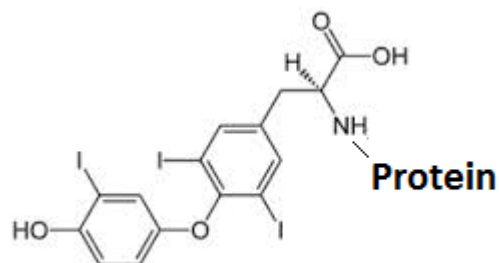
### Specificity

The antibody recognizes free estradiol.

### Applications

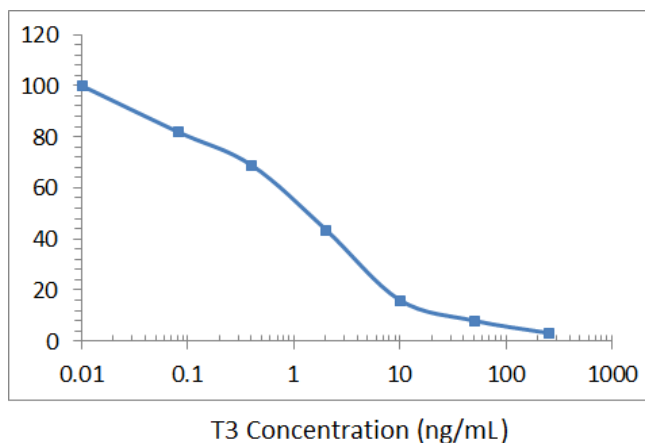
Quantitative ELISA: IC50=1.5 ng/mL)  
Immunoaffinity Chromatography

**Triiodothyronine**, also known as **T<sub>3</sub>**, is a thyroid hormone. It affects almost every physiological process in the body, including growth and development, metabolism, body temperature, and heart rate. T<sub>3</sub> and its prohormone thyroxine (T<sub>4</sub>) are activated by thyroid-stimulating hormone (TSH) which is released from the pituitary gland



Structure of the T3 Immunogen

### Competitive ELISA



### 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

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## Article 1 - Product Identification and Use

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### Product Name: Triiodothyronine (T3) Antibody

Catalog #: ICP1320

*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

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## Article 2 - Hazardous Ingredients

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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.

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## Article 3 - Physical Data

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Transparent liquid.

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## Article 4 - Fire and Explosion Hazard

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NOT APPLICABLE

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## Article 5 - Reactivity Data

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- 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

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

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## Article 7 - Preventative Measures

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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

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- 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

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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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