

## **Anti C-Peptide I (Mouse) Serum**

**Cat. No. Y222**

**Lot No. 1376170322**

**Description:** This antiserum was raised in a rabbit by immunization with a keyhole limpet hemocyanin (KLH) conjugate of synthetic C-peptide I (mouse) peptide. The product vial contains 50  $\mu$ L of the titled antiserum, which was obtained by lyophilizing its 0.001M phosphate buffer (pH 7.0, 0.5mL) solution. It can be used for immunoassay, immunohistochemistry or any other immunoreaction with C-peptide I (mouse).

**Immunogen:** Synthetic C-peptide I (mouse)-KLH conjugate

**Host:** Rabbit

**Amino Acid Sequence of C-peptide I (mouse)<sup>1)</sup>**

EVEDPQVEQL ELGGSPGDLQ TLALVARQ

**Product Form:** Lyophilized unpurified serum

**Size:** 50  $\mu$ L

**Reconstitution:** Reconstitute the product with 0.5mL of 0.01M PBS (pH 7.0) to make a 10 fold diluted stock solution. If it is stored in a refrigerator, add moderate antiseptic to the solution (e.g. NaN<sub>3</sub> 0.1%).

**Storage:** The product will be stable for over one year if it be stored at -20°C to -80°C until opened. Upon reconstitution, the antiserum solution must be stored at 2°C to 8°C and used within one month. Repeated freezing- thawing should be avoided.

**Suggested Working Dilution Range:** 1:1,000-5,000 for immunohistochemistry (frozen or paraffin sections). Optimal dilution should be determined by each laboratory for each application.

**Specificity** (based on non-competitive EIA): C-peptide I (mouse) 100%, C-peptide II (mouse) 15.2%, C-peptide I (rat) 20.9%, C-peptide II (rat) 85%, C-peptide (human) < 0.01%, C-peptide (dog) < 0.01%, C-peptide (porcine) < 0.1%, glucagon < 0.01%,

**Positive Control** (immunohistochemistry): Mouse pancreas.

**Species Tested:** Mouse

### **REFERENCES:**

- 1) B.M. Wentworth, I.M. Schaefer et al., Characterization of the two nonallelic genes encoding mouse preproinsulin. Journal of Molecular Evolution, 23: 305-312, 1986

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