



## Anti C-Peptide II (Mouse) Serum

Cat. No. YII-Y223-EX      Lot No. 1489170323

**Description:** This antiserum was raised in a rabbit by immunization with a keyhole limpet hemocyanin (KLH) conjugate of synthetic C-peptide II (mouse) peptide. The product vial contains 50 µL 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 immuno- assay, immunohistochemistry or any other immunoreaction with C-peptide II (mouse).

**Immunogen:** Synthetic C-peptide II (mouse)-KLH conjugate **Host:** Rabbit

**Amino Acid Sequence of C-peptide II (mouse)<sup>1)</sup>**  
EVEDPQVAQL ELGGPGA GDLQTLALEVAQ Q

**Product Form:** Lyophilized unpurified serum **Size:** 50 µL

**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 recon- stitution, 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:** 1:2,000-10,000 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 II (mouse) 100%, C-peptide I (mouse) 5.2%, C-peptide I (rat) 3.7%, C-peptide II (rat) 72.3%, C-peptide (human) < 1.5%, C-peptide (dog) < 0.01%, C-peptide (porcine)< 0.01%, glucagon < 0.1%,

**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

### FOR RESEARCH LABORATORY USE ONLY

DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

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TOYO EKIMAE BLDG. 2-20, TOYO 2CHOME  
KOTO-KU, TOKYO 135-0016, JAPAN  
TEL : +81-3-5632-9617  
FAX : +81-3-5632-9618  
URL : <http://www.cosmobio.co.jp/>  
e-mail : [export@cosmobio.co.jp](mailto:export@cosmobio.co.jp)

#### Manufacturer



2480-1 Awakura, Fujinomiya-shi,  
Shizuoka 418-0011, JAPAN  
Phone: +81-544-22-2771  
Fax: +81-544-22-2770  
URL : [www.yanaihara.co.jp](http://www.yanaihara.co.jp)  
E-mail : [ask@yanaihara.co.jp](mailto:ask@yanaihara.co.jp)