

Anti C-Peptide II (Mouse) Serum

Cat. No. Y223

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 μ 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 II (mouse).

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

Host: Rabbit

Amino Acid Sequence of C-peptide II (mouse)¹⁾

EVEDPQVAQL ELGGGPGA GDLQTLALEVAQ Q

Product Form: Lyophilized unpurified serum

Size: 50 μ 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. NaN₃ 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: 1:2,000-10,000 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%, glucagon < 0.1%, C-peptide (porcine) < 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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SCETI K.K.

DF Kasumigaseki Place, 3-6-7 Kasumigaseki, Chiyoda-ku, Tokyo 100-0013 Japan

URL: <http://www.sceti.co.jp/export/> e-mail: exp-pet@sceti.co.jp

<Manufacturer>

Yanaihara Institute Inc.

2480-1 Awakura, Fujinomiya-shi, Shizuoka 418-0011 JAPAN