Anti C-Peptide I (Mouse) Serum
Cat. No. YII-Y222-EX Lot No. 1376170322

Description: This antiserum was raised in a rabbit by immunization with a keyhole lympet hemocyanin (KLH) conjugate of synthetic C-peptide I (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 I (mouse).

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

Amino Acid Sequence of C-peptide I (mouse)[1)]
EVEDPQVEQL ELGGSPGDLQ TLALEVARQ

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_3 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- tha- wing 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 nonalleic 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

COSMO BIO CO., LTD.
Inspiration for Life Science
TOYO EKIMAE BLDG, 2-20,TOYO 2CHOME,KOTO-KU,TOKYO 135-0016,JAPAN
TEL: +81-3-5632-9617 FAX: +81-3-5632-9618 e-mail: export@cosmobio.co.jp
www.cosmobio.co.jp