



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)¹⁾
EVEDPQVAQL ELGGGPGA 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. 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 reconstituted, 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 proinsulin. Journal of Molecular Evolution, 23: 305-312, 1986

FOR RESEARCH LABORATORY USE ONLY

DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

