

For Research Use Only

Anti-Human C-peptide Rabbit Recombinant Antibody

Catalog Number: 98867-1-RR



Basic Information

Catalog Number:

98867-1-RR

Concentration:

100ug, 1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_000207

GeneID (NCBI):

3630

UNIPROT ID:

P01308

Full Name:

INS

Calculated MW:

110aa, 12 kDa

Purification Method:

Protein A purification

CloneNo.:

253514D7

Recommended Dilutions:

IHC: 1:500-1:2000

FC (Intra): 0.25 ug per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

IHC, FC (Intra)

Species Specificity:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

IHC : human pancreas tissue,

FC (Intra) : Transfected CHO cells,

Background Information

C-peptide (connecting peptide) is a short 31-amino-acid polypeptide that connects insulin's A-chain to its B-chain in the proinsulin molecule. It is cleaved from proinsulin in the pancreatic beta cells, and one molecule of C-peptide is released for every molecule of insulin (PMID: 6759081). C-peptide is secreted at a relatively steady rate over long duration, making it an effective biomarker for endogenous insulin secretion (PMID: 41694179).

Storage

Storage:

Store at 2 - 8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

For technical support and original validation data for this product please contact:

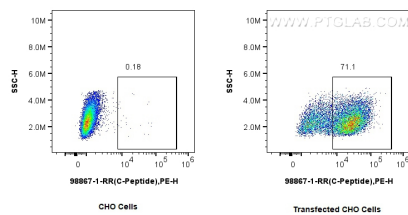
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E: Proteintech-CN@ptglab.com

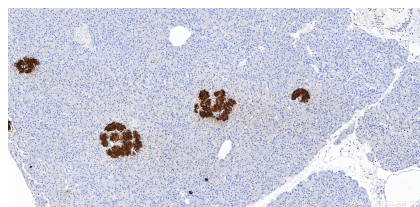
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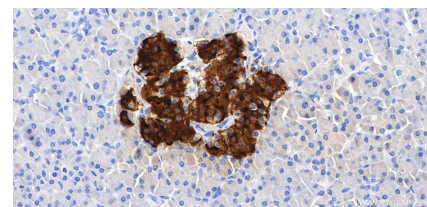
Selected Validation Data



1x10⁶ CHO cells or C-Peptide transfected CHO cells were intracellularly stained with 0.25 ug Anti-Human C-Peptide Rabbit RecAb (98867-1-RR, Clone: 253514D7) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).



Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 98867-1-RR (C-Peptide antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 98867-1-RR (C-Peptide antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).