

For Research Use Only

Anti-Human C-peptide Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98867-1-PBS



Basic Information

Catalog Number:

98867-1-PBS

Size:

1mg, 3 mg/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

Applications

Tested Applications:

IHC, FC (Intra)

Species Specificity:

human

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 -80°C.

Storage Buffer:

PBS only, pH7.3

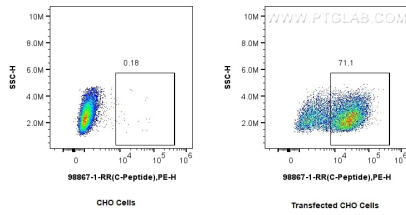
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

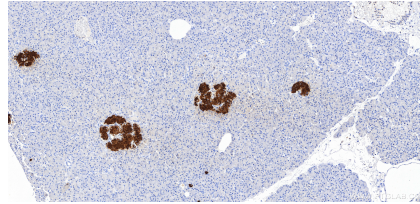
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

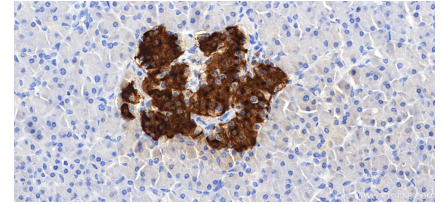
Selected Validation Data



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). This data was developed using the same antibody clone with 98867-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 98867-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 98867-1-PBS in a different storage buffer formulation.