For Research Use Only

CoraLite® Plus 488-conjugated C-Peptide Recombinant monoclonal antibody

Catalog Number:CL488-87566-3

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL488-87566-3

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:
IF-P: 1:50-1:500

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
IF-P

Species Specificity:
human

Positive Controls:

IF-P : human pancreas tissue,

Background Information

C peptide is a 31 amino acid peptide that connects the A and B chains of proinsulin and is co secreted with insulin in equimolar amounts from pancreatic beta cells. With a longer plasma half life than insulin, it serves as a reliable biomarker of endogenous insulin secretion. Clinically, measuring C peptide is crucial for distinguishing type 1 from type 2 diabetes, diagnosing hypoglycemia, and assessing residual beta cell function. Emerging evidence also suggests that C peptide may exert its own biological effects on vascular and renal tissues.

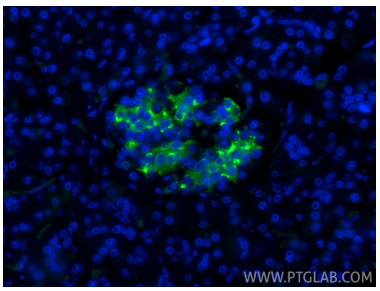
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

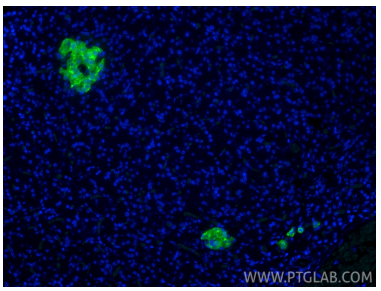
For technical support and original validation data for this product please contact:
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human pancreas tissue using CoraLite® Plus 488 C-Peptide antibody (CL488-87566-3, Clone: 253514D7) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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