

For Research Use Only

CoraLite® Plus 488-conjugated Ins1 Monoclonal antibody



Catalog Number: CL488-67668

1 Publications

Basic Information

Catalog Number: CL488-67668	GenBank Accession Number: NM_008386	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 16333	CloneNo.: 1H2C11
Source: Mouse	Full Name: insulin I	Recommended Dilutions: IF 1:150-1:600
Isotype: IgG1	Calculated MW: 12 kDa	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG29988		

Applications

Tested Applications: IF	Positive Controls: IF : mouse pancreas tissue,
Cited Applications: IF	
Species Specificity: mouse, rat	
Cited Species: mouse	

Background Information

insulin I is a peptide hormone that plays a vital role in the regulation of carbohydrate and lipid metabolism. The encoded precursor protein undergoes proteolytic cleavage to produce a disulfide-linked heterodimeric functional protein that is stored in secretory granules. An increase in blood glucose levels, among others, induces the release of insulin from the secretory granules. Mice deficient in the functional hormone encoded by this gene develop diabetes mellitus.

Notable Publications

Author	Pubmed ID	Journal	Application
Althea N Waldhart	37168572	iScience	IF

Storage

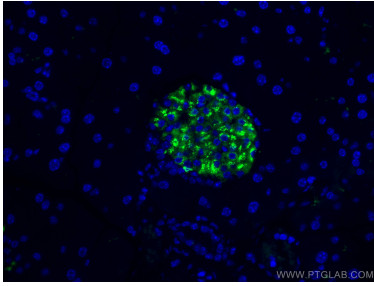
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1%BSA

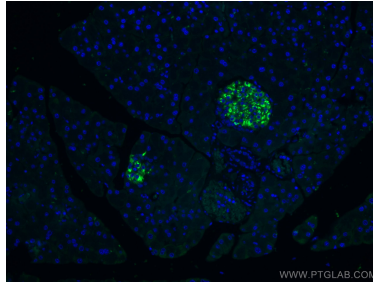
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse pancreas tissue using CoraLite® Plus 488-conjugated Ins1 antibody (CL488-67668, Clone: 1H2C11) at dilution of 1:300.



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