

For Research Use Only

CoraLite®594-conjugated Glucagon Monoclonal antibody

Catalog Number:CL594-67286



Basic Information

Catalog Number: CL594-67286	GenBank Accession Number: BC005278	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 2641	CloneNo.: 2A8G1
Source: Mouse	UNIPROT ID: P01275	Recommended Dilutions: IF-P 1:200-1:800
Isotype: IgG1	Full Name: glucagon	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG10629	Calculated MW: 180 aa, 21 kDa	

Applications

Tested Applications: IF-P	Positive Controls: IF-P : mouse pancreas tissue,
Species Specificity: Human, mouse	

Background Information

Glucagon is a 29-amino acid peptide hormone secreted from the pancreatic alpha cells with a powerful stimulatory effect on hepatic glucose production acting to increase plasma glucose levels. Glucagon is best known as the counter-regulatory hormone to INS, and normal glucose homeostasis depends largely on the balanced secretion of INS and glucagon from the pancreatic beta and alpha cells, respectively. The regulation of glucose metabolism by glucagon is mediated by its direct action on the peripheral tissues such as the liver and also by the brain. Glucagon is also released postprandially in a transient manner, which was shown to be involved in inhibition of food intake via reduction of meal size.

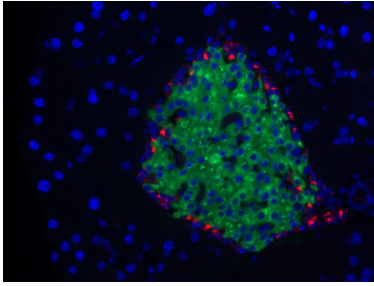
Storage

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:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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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 mouse pancreas tissue using the CoraLite®594-conjugated version of this antibody, CL594-67286 (Glucagon antibody), at dilution of 1:400. The B cells of the islets of Langerhans was labelled in green with CL488-66198(INS antibody).