

For Research Use Only

CoraLite® Plus 488-conjugated Glucagon Monoclonal antibody

Catalog Number:**CL488-67286**

1 Publications



Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
CL488-67286	BC005278	Protein G purification
Size:	GeneID (NCBI):	CloneNo.:
100ul , Concentration: 1000 ug/ml by Nanodrop;	2641	2A8G1
Source:	UNIPROT ID:	Recommended Dilutions:
Mouse	P01275	IF-P 1:200-1:800
Isotype:	Full Name:	Excitation/Emission maxima
IgG1	glucagon	wavelengths:
Immunogen Catalog Number:	Calculated MW:	493 nm / 522 nm
AG10629	180 aa, 21 kDa	

Applications

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

Notable Publications

Author	Pubmed ID	Journal	Application
Althea N Waldhart	37168572	iScience	IF

Storage

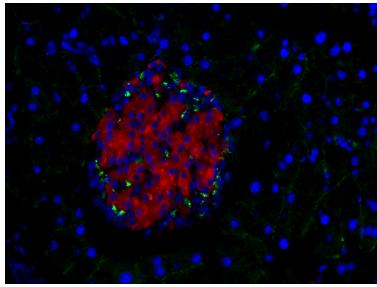
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

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 the CoraLite® Plus 488-conjugated version of this antibody, CL488-67286 (Glucagon antibody) and CL594-66198 (INS antibody), at dilution of 1:400. The B cells of the islets of Langerhans was labelled in red with CL594-66198(INS antibody).