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Anti-RAMP3 Reference Antibody (Medella patent anti-RAMP-3)

Recombinant Antibody
Catalog # APR11021

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	O60896
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	16518

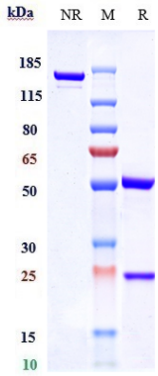
Additional Information

Target/Specificity	RAMP3
Endotoxin Conjugation	Unconjugated
Expression system	CHO
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

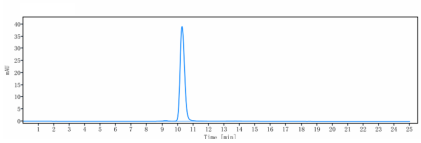
Protein Information

Name	RAMP3 (HGNC:9845)
Function	Accessory protein that interacts with and modulates the function of G protein-coupled receptors including calcitonin gene- related peptide type 1 receptor (CALCRL), calcitonin receptor (CALCR) and G protein-coupled estrogen receptor 1 (GPER1) (PubMed:23674134, PubMed:9620797). Required for the transport of CALCRL and GPER1 receptors to the plasma membrane (PubMed:23674134, PubMed:9620797). Plays a role in cardioprotection by reducing cardiac hypertrophy and perivascular fibrosis in a GPER1-dependent manner (PubMed:23674134). Together with CALCRL, form a receptor complex for adrenomedullin/ADM and intermedin/ADM2 (PubMed:32296767). Together with CALCR, act as a receptor complex for amylin/IAPP (PubMed:35324283).
Cellular Location	Cell membrane; Single-pass type I membrane protein. Membrane; Single-pass type I membrane protein. Note=Moves from intracellular puncta to the plasma membrane in a RAMP3-dependent manner
Tissue Location	Strongly expressed in lung, breast, immune system and fetal tissues.

Images



Anti-RAMP3 Reference Antibody (Medella patent anti-RAMP-3) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 90%.



The purity of Anti-RAMP3 Reference Antibody (Medella patent anti-RAMP-3) is more than 95%, determined by SEC-HPLC.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.