Mouse RAMP2 Alexa Fluor® 532-conjugated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF6500X
100 µg

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse RAMP2 in direct ELISAs and Western blots. In direct ELISAs, approximately 25% cross-reactivity with recombinant human (rh) RAMP2 is observed, and less than 1% cross-reactivity with rhRAMP1 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant mouse RAMP2 Ser45-Val159 Accession # Q9WUP0
Conjugate	Alexa Fluor 532 Excitation Wavelength: 534 nm Emission Wavelength: 553 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

CyTOF-ready	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.
Flow Cytometry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

RAMP2 (receptor activity modifying protein 2) is a 20 kDa member of the RAMP family of proteins. It is expressed on cardiomyocytes, vascular smooth muscle cells and endothelium, and interacts with CRLR to form a receptor complex for adrenomedullin (AM). AM induces vasodilation on AM1 receptor expressing cells. Mature mouse RAMP2 is a 145 amino acid (aa) type I transmembrane glycoprotein that contains a 115 aa extracellular domain (ECD) (aa 45-159) and a nine aa cytoplasmic region. Although the ECD contains no typical structural motifs, based on human, aa 100-106 are critical for AM binding. Over aa 45-159, mouse RAMP2 shares 57% and 83% aa identity with human and rat RAMP2, respectively.

PRODUCT SPECIFIC NOTICES

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