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Anti-CD63 Antibody Picoband® Fluoro488 Conjugated

Catalog Number: PB9250-Fluoro488

About CD63

CD63 antigen is a protein that in humans is encoded by the CD63 gene. The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. It is mapped to 12q13.2. CD63 is mainly associated with membranes of intracellular vesicles, although cell surface expression may be induced. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins. It may function as a blood platelet activation marker. Deficiency of this protein is associated with Hermansky-Pudlak syndrome. Also this gene has been associated with tumor progression.

Overview

Product Name	Anti-CD63 Antibody Picoband® Fluoro488 Conjugated
Reactive Species	Human
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P08962

Technical Details

Immunogen	E.coli-derived human CD63 recombinant protein (Position: E97-M238). Human CD63 shares 74% and 73% amino acid (aa) sequence identity with mouse and rat CD63, respectively.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm

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Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

5 Publications Citing This Product

1. PubMed ID: 10.1155/2020/8183713, ASK1 Enhances Angiotensin II-Induced Liver Fibrosis In Vitro by Mediating Endoplasmic Reticulum Stress-Dependent Exosomes

2. PubMed ID: 31507456, Zhu X,Wang S,Tarique I,An T,Yang H,Bai X,Wang X,Chen Q,Yang P.Cellular Evidence and Source of Exosomes in the Biliary System of the Chinese Soft-Shelled Turtle, Pelodiscus sinensis.Front Physiol.2019 Aug 27;10: 1097.doi:10.3389/fphys.2019.01097.PMID:31507456;PMCID: PMC 6718451.

3. PubMed ID: 33893878, Huang C,Pan L,Shen X,Tian H,Guo L,Zhang Z,Liu X.Hsp16.3 of mycobacterium tuberculosis in exosomes as a biomarker of tuberculosis.Eur J Clin Microbiol Infect Dis.2021 Apr 24.doi:10.1007/s10096-021-04246-x.Epub ahead of print.PMID:33893878.

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Anti-CD63 Antibody - Fluoro488

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