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Product datasheet for CF802840

CD63 Mouse Monoclonal Antibody [Clone ID: OTI5D9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI5D9
Applications:	FC, WB
Recommended Dilution:	WB 1:2000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human CD63 (NP_001771) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	25.5 kDa
Gene Name:	CD63 molecule
Database Link:	NP_001771 Entrez Gene 967 Human P08962

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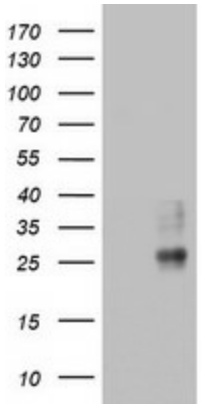
Background: The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. The 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. Alternative splicing results in multiple transcript variants encoding different protein isoforms. [provided by RefSeq, Apr 2012]

Synonyms: LAMP-3; ME491; MLA1; OMA81H; TSPAN30

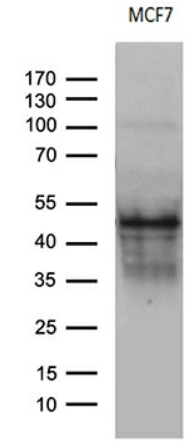
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Lysosome

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CD63 ([RC201733], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CD63. Positive lysates [LY419757] (100ug) and [LC419757] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from MCF7 cell line by using anti-CD63 monoclonal antibody (1:500).

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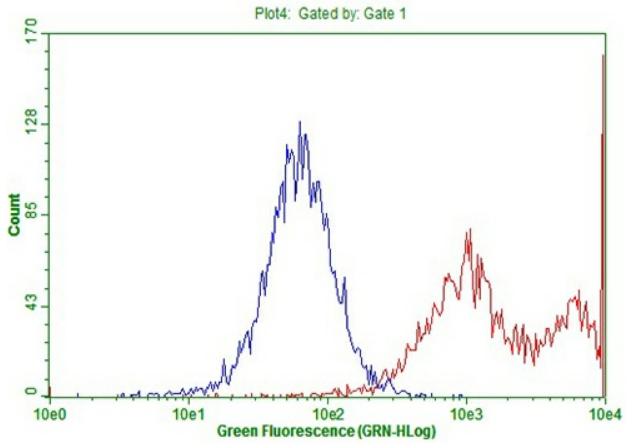
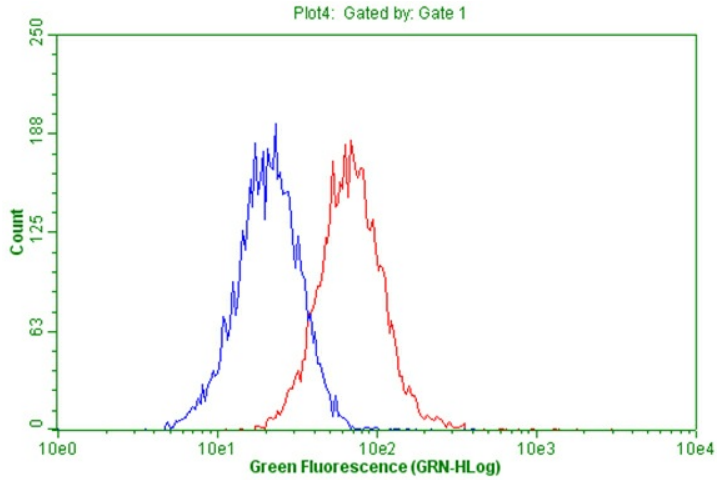
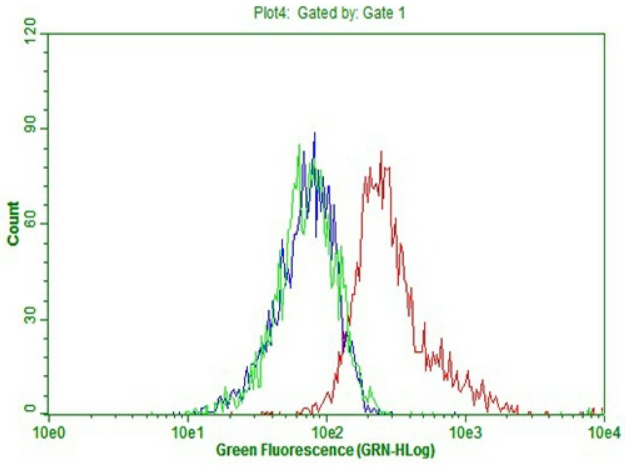


HEK293T cells transfected with either [RC201733] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-CD63 antibody ([TA802840]), and then analyzed by flow cytometry (1:100).



Flow cytometric Analysis of living A549 cells, using anti-CD63 antibody ([TA802840]), (Red), compared to a nonspecific negative control antibody, (Blue).



Flow cytometric Analysis of MCF-7 cells, using anti-CD63 antibody ([TA802840]), (Red), compared to isotype control, (green), and negative control (PBS), (Blue) (1:100)

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