

Product datasheet for **TA803393AM**

CD63 Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI3D9]

Product data:

| | |
|-------------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI3D9 |
| 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: | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| Concentration: | 0.5 mg/ml |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Conjugation: | Biotin |
| 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:

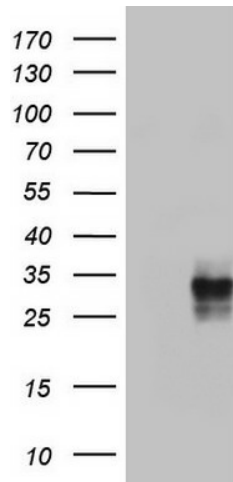
LAMP-3; ME491; MLA1; OMA81H; TSPAN30

Protein Families:

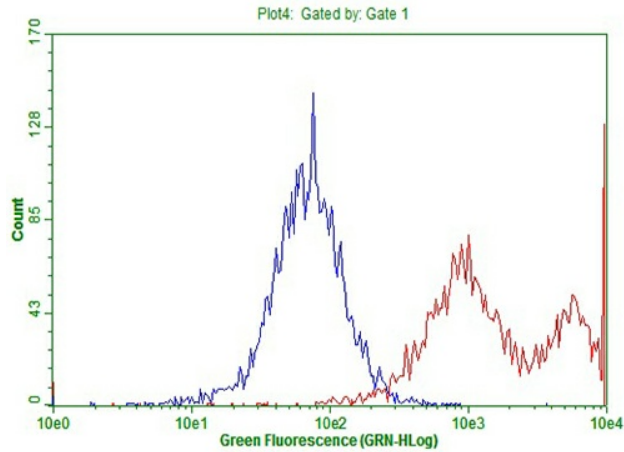
Druggable Genome, Transmembrane

Protein Pathways:

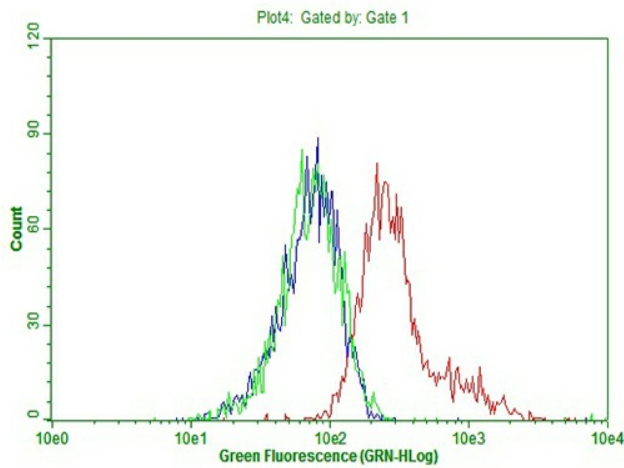
Lysosome

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.



HEK293T cells transfected with either [RC201733] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-CD63 antibody ([TA803393]), and then analyzed by flow cytometry (1:100).



Flow cytometric Analysis of MCF-7 cells, using anti-CD63 antibody ([TA803393]), (Red), compared to isotype control, (green), and negative control (PBS), (Blue) (1:100)