

## Product datasheet for **CF803393**

### CD63 Mouse Monoclonal Antibody [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:            | 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:          | <a href="#">NP_001771</a><br><a href="#">Entrez Gene 967 Human</a><br><a href="#">P08962</a>   |



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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:**

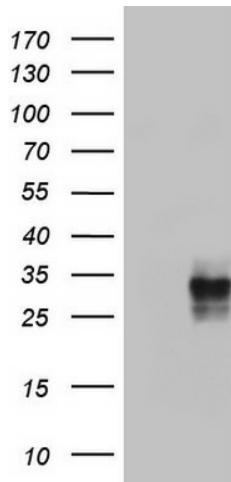
LAMP-3; ME491; MLA1; OMA81H; TSPAN30

**Protein Families:**

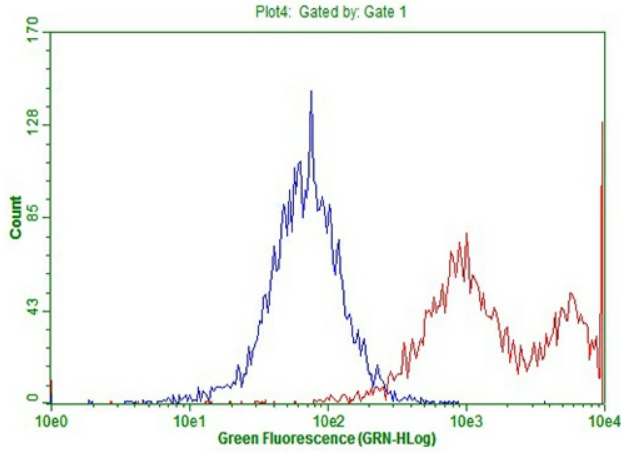
Druggable Genome, Transmembrane

**Protein Pathways:**

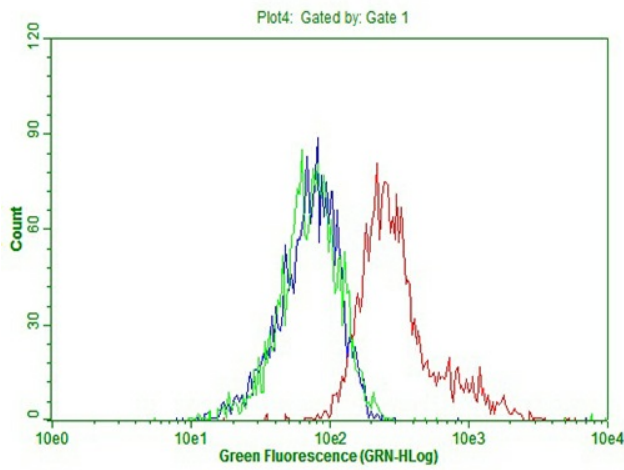
Lysosome

**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)