

## Product datasheet for **CF803502**

### CD63 Mouse Monoclonal Antibody [Clone ID: OTI1F10]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1F10
Applications:	FC, IHC
Recommended Dilution:	IHC 1:150, FLOW 1:50
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> <a href="#">Entrez Gene 967 Human</a> <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:**

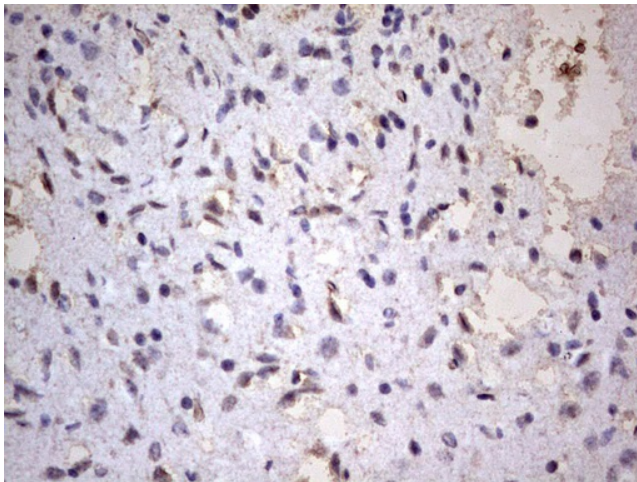
LAMP-3; ME491; MLA1; OMA81H; TSPAN30

**Protein Families:**

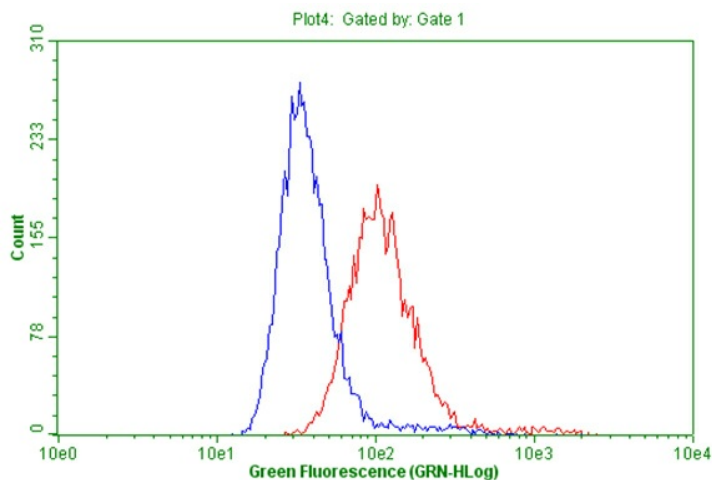
Druggable Genome, Transmembrane

**Protein Pathways:**

Lysosome

**Product images:**


Immunohistochemical staining of paraffin-embedded Human adult brain tissue using anti-CD63 mouse monoclonal antibody. ([TA803502]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Flow cytometric Analysis of living A549 cells, using anti-CD63 antibody ([TA803502]), (Red), compared to mouse IgG isotype control, (Blue).