

## Product datasheet for **TA803392S**

### CD63 Mouse Monoclonal Antibody [Clone ID: OTI1D12]

#### Product data:

|                         |   |
|-------------------------|---|
| Product Type:           | Primary Antibodies  |
| Clone Name:             | OTI1D12   |
| Applications:           | FC, IHC   |
| Recommended Dilution:   | IHC 1:150, FLOW 1:50  |
| Reactivity:             | Human   |
| Host:                   | Mouse   |
| Isotype:                | IgG2a   |
| 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:          | 1 mg/ml   |
| 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:**

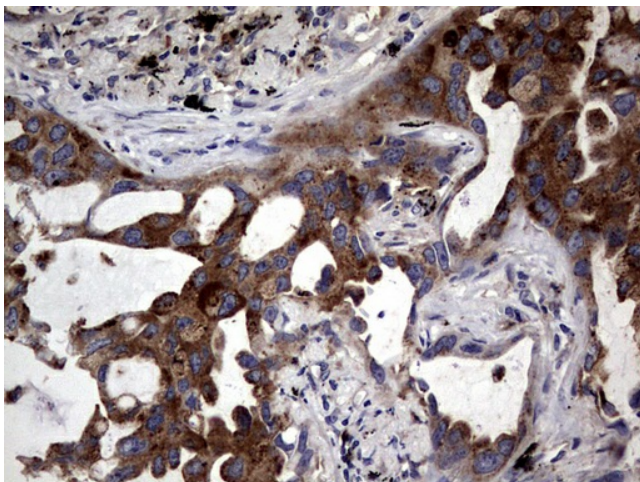
LAMP-3; ME491; MLA1; OMA81H; TSPAN30

**Protein Families:**

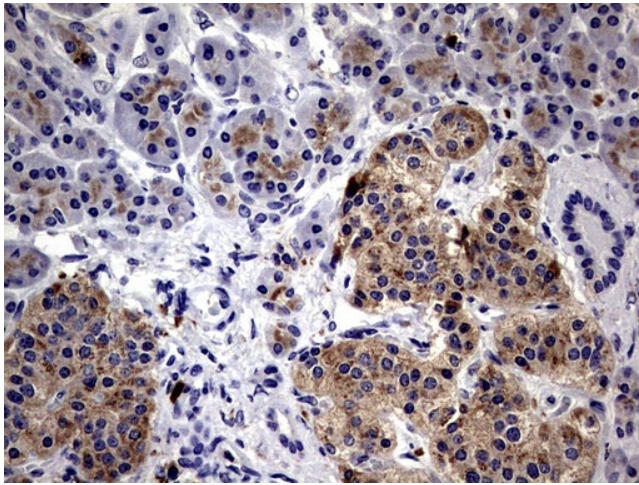
Druggable Genome, Transmembrane

**Protein Pathways:**

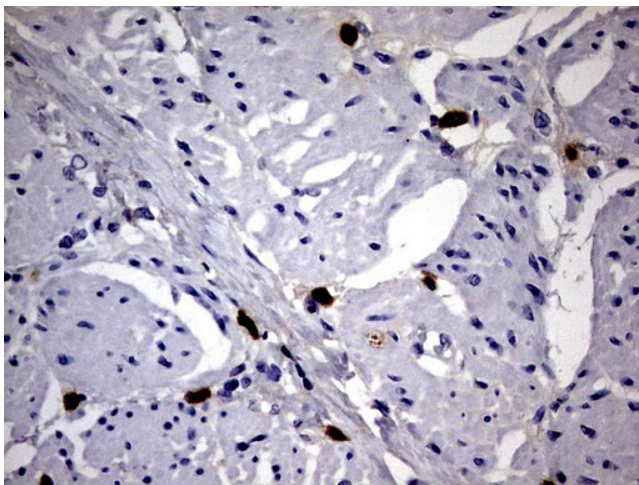
Lysosome

**Product images:**

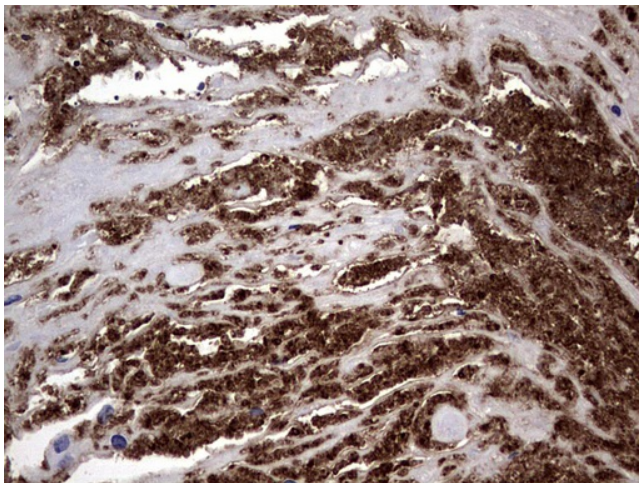
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-CD63 mouse monoclonal antibody. ([TA803392]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min)



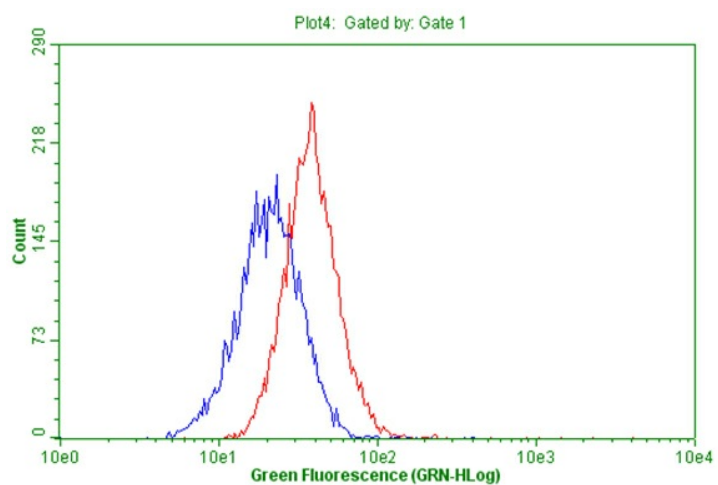
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-CD63 mouse monoclonal antibody. ([TA803392]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min)



Immunohistochemical staining of paraffin-embedded Human bladder tissue within the normal limits using anti-CD63 mouse monoclonal antibody. ([TA803392]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min)



Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-CD63 mouse monoclonal antibody. ([TA803392]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min)



Flow cytometric Analysis of living A549 cells, using anti-CD63 antibody ([TA803392]), (Red), compared to a nonspecific negative control antibody, (Blue).