

## Product datasheet for **TA803394S**

### CD63 Mouse Monoclonal Antibody [Clone ID: OTI2A2E2]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2A2E2
Applications:	FC, IHC
Recommended Dilution:	IHC 1:150, FLOW 1:50
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
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> <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:**

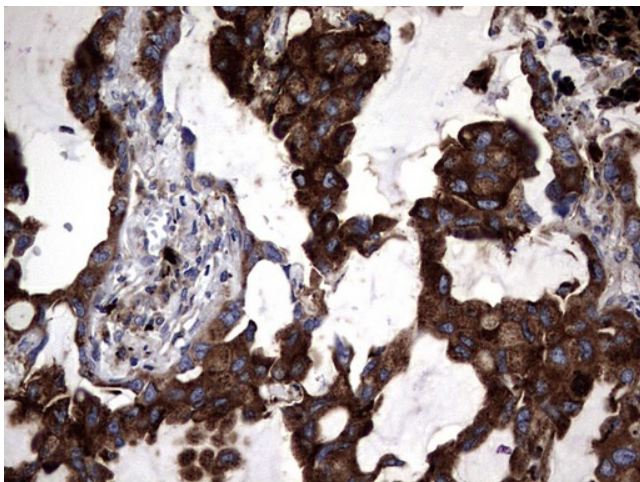
LAMP-3; ME491; MLA1; OMA81H; TSPAN30

**Protein Families:**

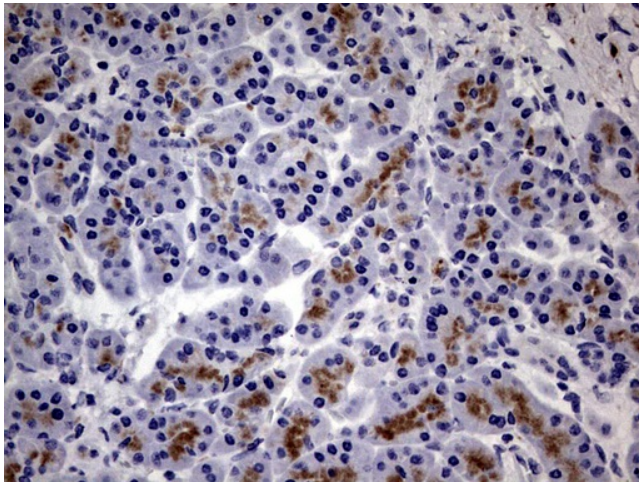
Druggable Genome, Transmembrane

**Protein Pathways:**

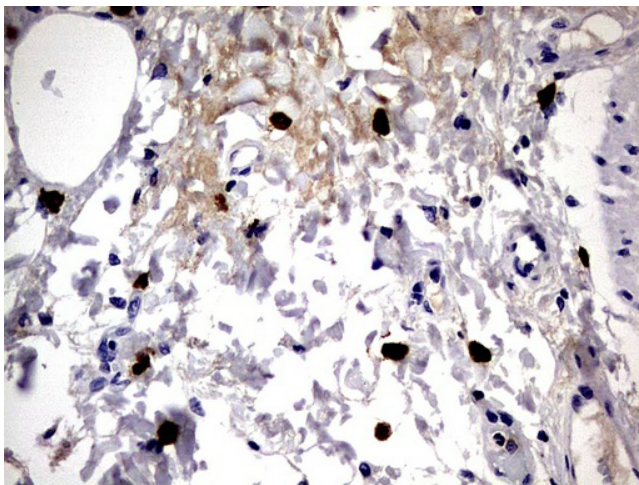
Lysosome

**Product images:**

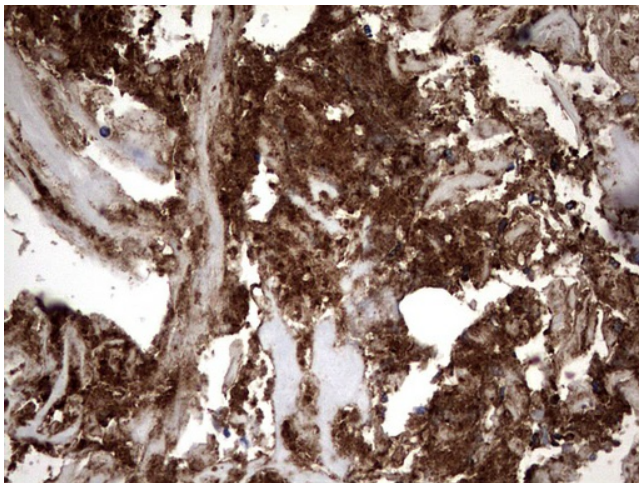
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-CD63 mouse monoclonal antibody. ([TA803394]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min)



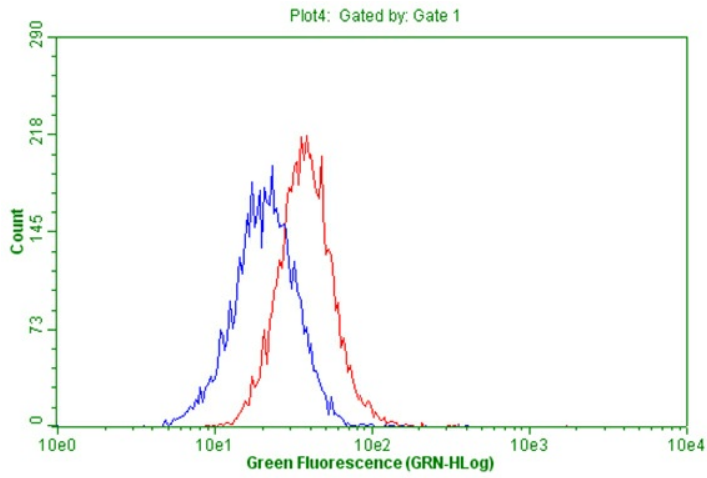
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-CD63 mouse monoclonal antibody. ([TA803394]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min)



Immunohistochemical staining of paraffin-embedded Human bladder tissue within the normal limits using anti-CD63 mouse monoclonal antibody. ([TA803394]; 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. ([TA803394]; 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 ([TA803394]), (Red), compared to a nonspecific negative control antibody, (Blue).