

## Product datasheet for **AM33263PU-S**

### CD63 (Late Endosomes Marker) Mouse Monoclonal Antibody [Clone ID: SPM524]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	SPM524
Applications:	FC, IF, IHC, IP, WB
Recommended Dilution:	<b>ELISA:</b> Use BSA Free antibody for coating. <b>Flow Cytometry:</b> 0.5-1 µg/10 <sup>6</sup> cells. <b>Immunofluorescence:</b> 1-2 µg/ml. <b>Western Blotting:</b> 0.5-1 µg/ml. <b>Immunoprecipitation:</b> 1-2 µg/500 µg protein lysate. <b>Immunohistochemistry on Frozen and Formalin-Fixed Paraffin Sections:</b> 0.5-1 µg/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes. <b>Recommended Positive Control:</b> SK-MEL-28, HL60, THP-1 or NIH/3T3 cells. Melanoma or lymphoma.
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Smooth plasma membrane fraction of MeWo cells.
Specificity:	This Monoclonal antibody recognizes Human and Mouse CD63. Other species not tested. <b>Cellular Localization:</b> Cytoplasmic.
Formulation:	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Purification:	Protein A/G Chromatography
Conjugation:	Unconjugated



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**Storage:** Store undiluted at 2-8°C.  
**DO NOT FREEZE!**

**Stability:** Shelf life: one year from despatch.

**Predicted Protein Size:** 26 kDa (core protein); 30-60 kDa (glycosylated)

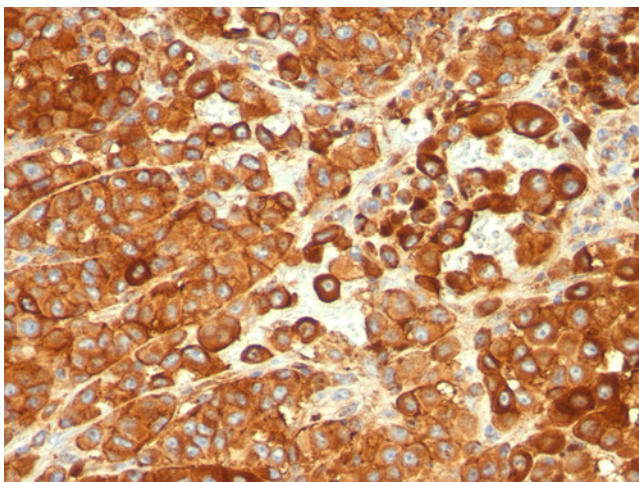
**Gene Name:** CD63 molecule

**Database Link:** [Entrez Gene 967 Human P08962](#)

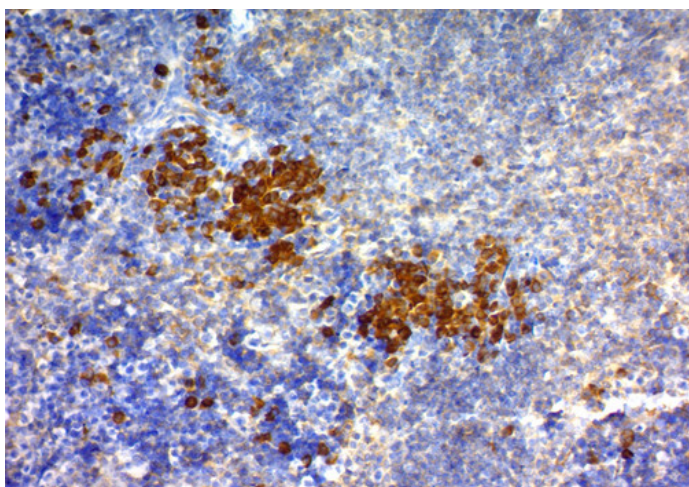
**Background:** The tetraspanins are integral membrane proteins expressed on cell surface and granular membranes of hematopoietic cells and are components of multi-molecular complexes with specific integrins. The tetraspanin CD63 is a lysosomal membrane glycoprotein that translocates to the plasma membrane after platelet activation. CD63 is expressed on activated platelets, monocytes and macrophages, and is weakly expressed on granulocytes, T cell and B cells. It is located on the basophilic granule membranes and on the plasma membranes of lymphocytes and granulocytes. CD63 is a member of the TM4 superfamily of leukocyte glycoproteins that includes CD9, CD37 and CD53, which contain four transmembrane regions. CD63 may play a role in phagocytic and intracellular lysosome-phagosome fusion events. CD63 deficiency is associated with Hermansky-Pudlak syndrome and is strongly expressed during the early stages of melanoma progression.

**Synonyms:** OMA81H, Granulophysin, Tetraspanin-30, MLA1, TSPAN30, ME491

### Product images:



Formalin-paraffin human melanoma stained with CD63 MAb (Clone SPM524)



Formalin-paraffin mouse spleen stained with CD63 MAb (Clone SPM524)