

## Product datasheet for **TA389089**

### CD63 Mouse Antibody [Clone ID: M040]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	M040
Applications:	ICC, WB
Recommended Dilution:	<b>WB:</b> 1:100 <b>ICC:</b> 1:500
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Immunogen:	Clone (M040) was generated from a proprietary antigen related to the native human CD63 expressed in MeWo melanoma cell line.
Specificity:	Clone M040 mouse monoclonal antibody has high reactivity to CD63 at the plasma membrane in immunocytochemical assays, and weakly detects a 30-60 kDa* protein on SDS-PAGE "Native" immunoblots of human A431, MeWo, and A549 cells. The antibody does not detect denatured CD63 in western blot assays.
Formulation:	PBS + 1 mg/ml BSA, 0.05% NaN <sub>3</sub> and 50% glycerol
Concentration:	lot specific
Purification:	Protein G Purified
Conjugation:	Unconjugated
Storage:	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
Stability:	After date of receipt, stable for at least 1 year at -20°C.
Predicted Protein Size:	30-60
Database Link:	<a href="#">P08962</a>



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**Background:**

Tetraspanins comprise a large superfamily of cell surface-associated membrane proteins with four transmembrane domains. On cell membranes, tetraspanins form networks of various proteins called tetraspanin-enriched microdomains (TEMs). CD63 was the first characterized tetraspanin and it is found in TEMs, as well as late endosomes and lysosomes. In late endosomes, CD63 is enriched on the intraluminal vesicles, and can be secreted as exosomes through fusion of endosomes with the plasma membrane. The complex localization pattern of CD63 suggests that its intracellular trafficking and distribution must be tightly regulated. CD63 contains N-link glycosylation sites that produce diverse CD63 molecules that range from 30 to 60 kDa depending on cell type. CD63 is an important exosomal marker in cancer cells, and may be involved in cancer progression and metastasis.

**Note:**

Protein G purified tissue culture supernatant.