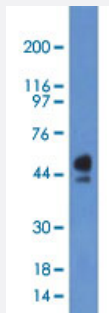


CD63 monoclonal antibody, clone SPM524

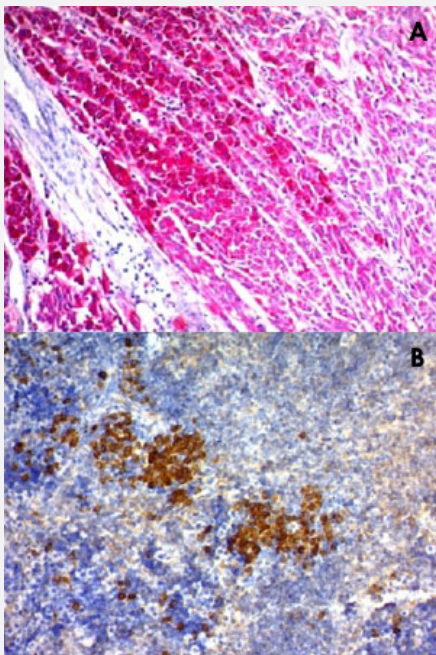
Catalog # MAB15170 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western Blot (Tissue lysate) analysis of human spleen.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of (A) human melanoma and (B) mouse spleen.

Specification

Product Description Mouse monoclonal antibody raised against human CD63.

Immunogen Smooth plasma membrane fraction of MeWo cells

Host	Mouse
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/million cells) Immunofluorescence (0.5-1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL) Western Blot (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS.
Storage Instruction	Store at 4°C. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

Western Blot (Tissue lysate) analysis of human spleen.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of (A) human melanoma and (B) mouse spleen.

- Immunofluorescence

- Flow Cytometry

Gene Info — CD63

Entrez GeneID	967
Protein Accession#	P08962
Gene Name	CD63
Gene Alias	LAMP-3, ME491, MLA1, OMA81H, TSPAN30
Gene Description	CD63 molecule

Omim ID [155740](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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. This 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. The use of alternate polyadenylation sites has been found for this gene. Alternative splicing results in multiple transcript variants encoding different proteins. [provided by RefSeq]

Other Designations

CD63 antigen|CD63 antigen (melanoma 1 antigen)|granulophysin|lysosome-associated membrane glycoprotein 3|melanoma 1 antigen|melanoma-associated antigen ME491|melanoma-associated antigen MLA1|ocular melanoma-associated antigen|tetraspanin-30

Publication Reference

- [Extracellular vesicles from human liver stem cells inhibit tumor angiogenesis.](#)

Lopatina T, Grange C, Fonsato V, Tapparo M, Brossa A, Fallo S, Pitino A, Herrera-Sanchez MB, Kholia S, Camussi G, Bussolati B.

International Journal of Cancer 2018 Aug; [Epub].

Application: Flow Cyt, Human, HLSC-Evs, MSC-EVs

- [Correlation of histopathological characteristics with staining patterns in human melanoma assessed by \(monoclonal\) antibodies reactive on paraffin sections.](#)

Hagen EC, Vennegoor C, Schlingemann RO, van der Velde EA, Ruiter DJ.

Histopathology 1986 Jul; 10(7):689.

Application: IHC-P, Human, Human melanomas

- [A comparison of some methods for identifying amelanotic and oligomelanotic melanoma metastases in paraffin sections.](#)

Palmer AA, Hall BE, Lew M.

Pathology 1985 Apr; 17(2):335.

- [Biochemical characterization and cellular localization of a formalin-resistant melanoma-associated antigen reacting with monoclonal antibody NKI/C-3.](#)

Vennegoor C, Calafat J, Hageman P, van Buitenen F, Janssen H, Kolk A, Rümke P.

International Journal of Cancer 1985 Mar; 35(3):287.

Application: Func, IHC-Fr, IHC-P, Human, Human melanomas

Pathway

- [Lysosome](#)