

Datasheet for ABIN6941235
anti-CD63 antibody (AA 100-197)



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4 Images

Overview

Quantity:	100 µg
Target:	CD63
Binding Specificity:	AA 100-197
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD63 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunostaining (IS), Staining Methods (StM)

Product Details

Immunogen:	Recombinant human CD63 protein fragment (around aa100-197) (exact sequence is proprietary)
Clone:	LAMP3-2788
Isotype:	IgG2b kappa
Specificity:	This MAb recognizes protein of 26 kDa-60 kDa, which is identified as CD63. Its epitope is different from that of MAb LAMP3/529. 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

Product Details

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.

Purification: Purified by Protein A/G

Target Details

Target: CD63

Alternative Name: CD63 ([CD63 Products](#))

Molecular Weight: 26kDa (core protein), 30-60kDa (glycosylated)

Gene ID: 967

UniProt: [P08962](#)

Application Details

Application Notes: Positive Control: SK-MEL-28, HL60, THP-1 or NIH/3T3 cells. Human spleen or lymphoma tissue (IHC).

Known Application: Western Blot (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

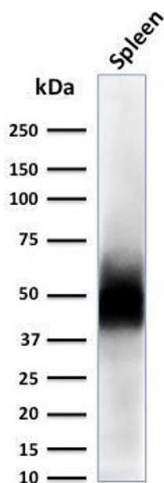
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

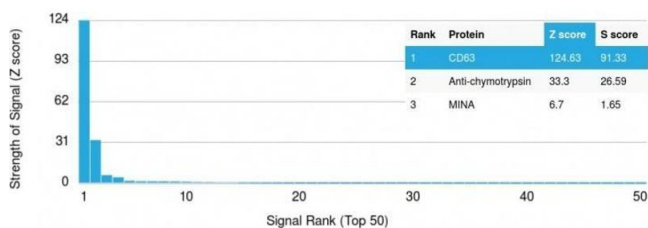
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months

Images



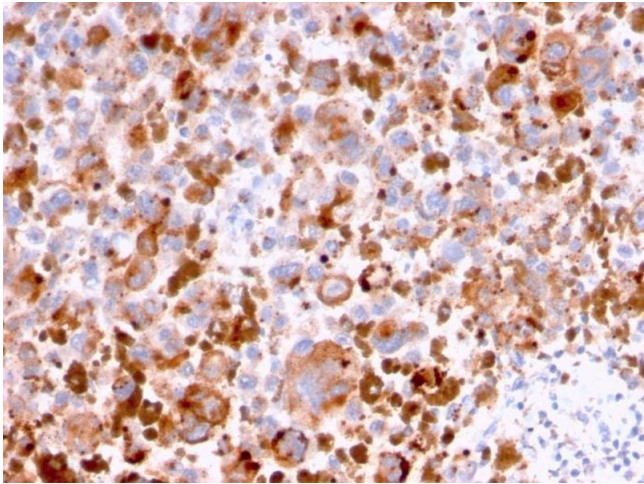
Western Blotting

Image 1. Western Blot Analysis of Spleen tissue lysate using CD63 Mouse Monoclonal Antibody (LAMP3/2788).



Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using CD63 Mouse Monoclonal Antibody (LAMP3/2788). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb



to protein X is equal to 29.

Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Melanoma stained with CD63 Mouse Monoclonal Antibody (LAMP3/2788).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6941235.