Datasheet for ABIN6941234

Recombinant anti-CD63 antibody

5 Images

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Overview

Quantity:	100 µg
Target:	CD63
Reactivity:	Human, Mouse
Host:	Mouse
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This CD63 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunostaining (ISt), Staining Methods (StM)

Product Details

Immunogen:	Smooth plasma membrane fraction of MeWo cells
Clone:	RMX-49-129-5
Isotype:	IgG1 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 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

Product Details

	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 syndromeand 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: U87MG, SK-MEL-28, HL60, THP-1 or NIH/3T3 cells. Melanoma or lymphoma. Known Application: 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

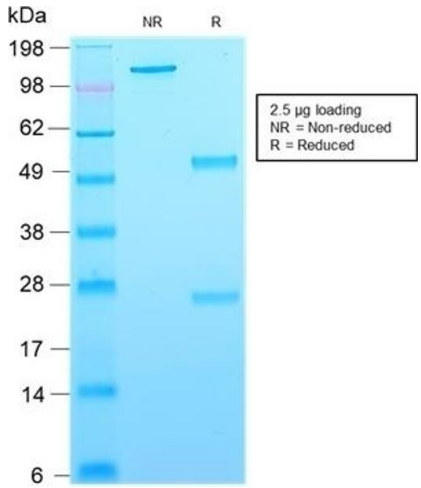
Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with0.05 % 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.
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.

Handling

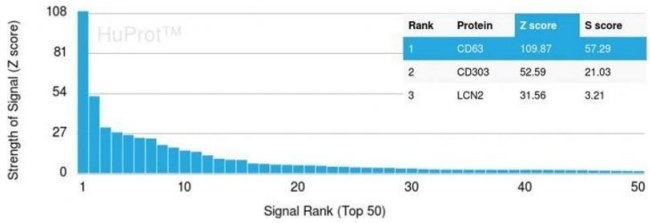
Expiry Date:	24 months

Images



Western Blotting

Image 1. SDS-PAGE Analysis Purified CD63-Monospecific Mouse Recombinant Monoclonal Antibody (rMX-49.129.5). Confirmation of Purity and Integrity of Antibody.



Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using CD63-Monospecific Mouse Recombinant Monoclonal Antibody (rMX-49.129.5) 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 HuProtTM array. Z-scores are described in units of standard deviations (SDs) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SDs) 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.

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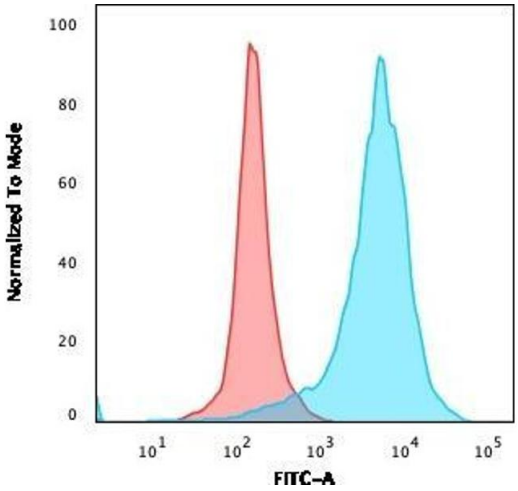

Flow Cytometry

Image 3. Flow Cytometric Analysis of PFA-fixed U87MG cells. CD63-Monospecific Mouse Recombinant Monoclonal Antibody (rMX-49.129.5) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).

Please check the product details page for more images. Overall 5 images are available for ABIN6941234.

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