Datasheet for ABIN6941230

anti-CD63 antibody

10 Images

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Overview

Quantity:	100 µg
Target:	CD63
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD63 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunostaining (ISt), Staining Methods (StM)

Product Details

Immunogen:	Full length CD63 of human origin
Clone:	MX-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 member of the TM4 superfamily of leukocyte glycoproteins that includes CD9, CD37 and CD53,

Product Details

	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. Melanoma or lymphoma. Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (0.5-1 µg/mL), Western Blot (0.5-1 µg/mL), Immunohistochemistry (Formalin-fixed) (0.5-1 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

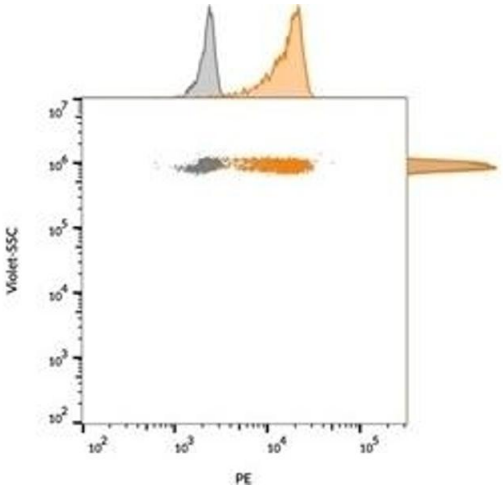
Handling

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.
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

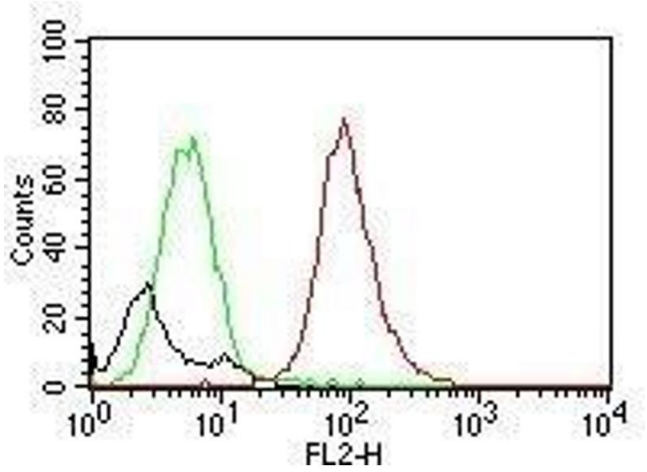
Expiry Date:	24 months

Images



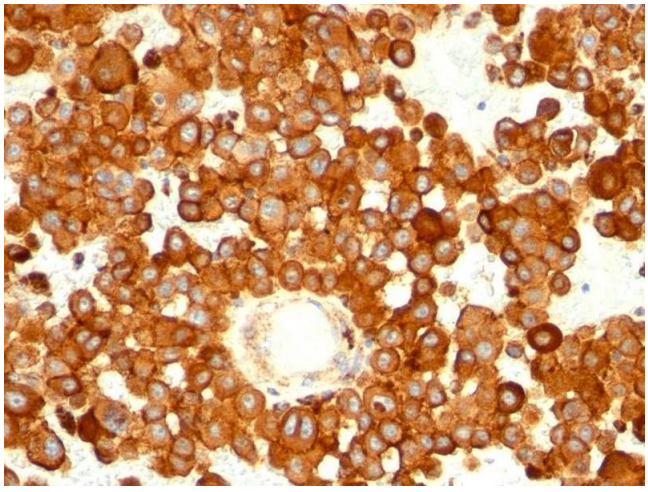
Flow Cytometry

Image 1. Flow cytometric analysis of bead-bound exosomes derived from MCF-7 cells. CD63 Mouse Monoclonal Antibody (MX-49.129.5) followed by goat anti-mouse IgG-CF568 (orange), unstained exosomes (gray).



Flow Cytometry

Image 2. Flow Cytometry of NIH/3T3 cells. Black: cells alone; Green: Isotype Control; Red: PE-labeled CD63 Mouse Monoclonal Antibody (MX-49.129.5).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human melanoma stained with CD63 Mouse Monoclonal Antibody (MX-49.129.5)

Please check the product details page for more images. Overall 10 images are available for ABIN6941230.