

Datasheet for ABIN3026282

anti-CD63 antibody**5** Images[Go to Product page](#)

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), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Full length human CD63 was used as the immunogen for this antibody.
Clone:	MX-49-129-5
Isotype:	IgG1 kappa
Purification:	Protein G affinity chromatography

Target Details

Target:	CD63
Alternative Name:	CD63 (CD63 Products)
Background:	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

Target Details

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, 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.

Gene ID: 967

Application Details

Application Notes: The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the antibody to be titrated up or down for optimal performance.

1. 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.

2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min. \. FACS: 0.5-1 µg/million cells, IF: 0.5-1 µg/mL, WB: 1-2 µg/mL, IHC (FFPE): 0.5-1 µg/mL for 30 minutes at RT (1), Prediluted format : incubate for 30 min at RT (2)

Restrictions: For Research Use only

Handling

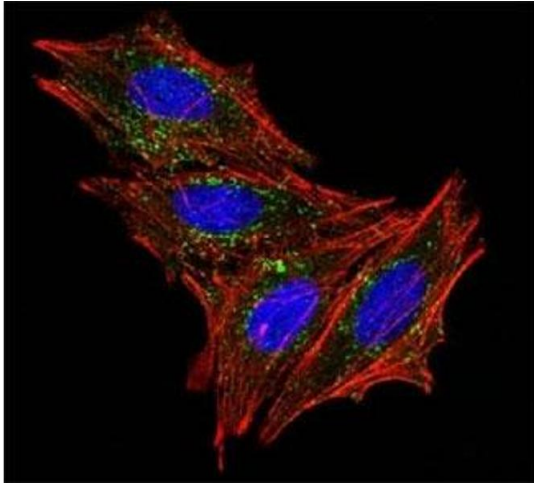
Concentration: 1 mg/mL

Buffer: 1 mg/mL in 1X PBS, BSA free, sodium azide free

Preservative: Azide free

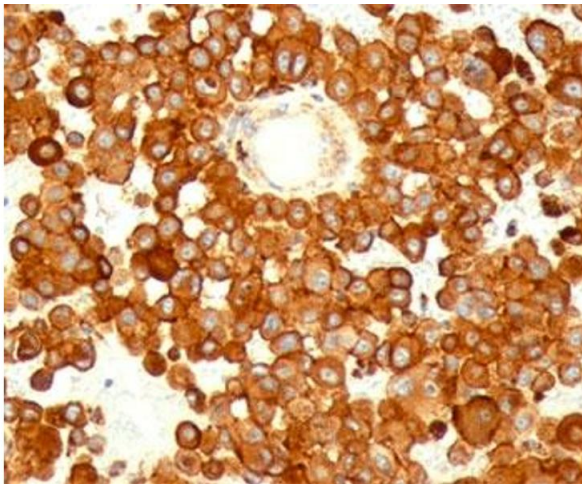
Storage: 4 °C, -20 °C

Storage Comment: Store the CD63 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).



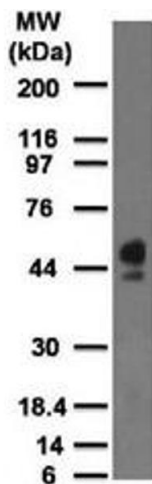
Immunofluorescence

Image 1. Immunofluorescence testing of HeLa cells with Alexa Fluor 488 conjugated CD63 antibody (green). F-actin filaments are labeled with Dylight 554 phalloidin (red)



Immunohistochemistry

Image 2. IHC testing of human melanoma stained with CD63 antibody (MX49.129.5).



Western Blotting

Image 3. Western blot testing of human spleen lysate with CD63 antibody at 2 ug/ml.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3026282.