

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

36-3633: Anti-CD63 (Late Endosomes Marker) Monoclonal Antibody(Clone: NKI/C3)-CF488

Clonality: Monoclonal
Clone Name: NKI/C3
Application: FACS,IF

Reactivity: Human, Mouse

 Conjugate :
 CF488

 Gene :
 CD63

 Gene ID :
 967

 Uniprot ID :
 P08962

gp55; granulophysin; Lysosomal-associated membrane protein 3 (LAMP-3); Mast cell antigen

Alternative Name : AD1; melanoma 1 antigen; Melanoma-associated antigen MLA1; Melanoma-associated antigen

ME491; MLA1; NGA; Ocular melanoma-associated antigen; OMA81H; PTLGP40; Tetraspanin-30;

TSPAN30

Isotype: Mouse IgG1, kappa

Immunogen Information: Smooth plasma membrane fraction of MeWo cells

Description

This MAb recognizes protein of 26kDa-60kDa, 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, 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.

Product Info

Amount: 0.5 ml at 100µg/ml

Antibody Purified from Bioreactor Concentrate by Protein A/G and conjµgated to various reporter

Content: molecules. Prepared in 10mM PBS with 0.05% BSA and 0.05% azide. Contact us if you require

this Ab in a different format.

Storage condition: Antibody with azide - store at 4 to 8°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

Flow Cytometry (5ul per test per one million cells or 5ul per 100ul of whole blood); Immunofluorescence (1:50-1:100);



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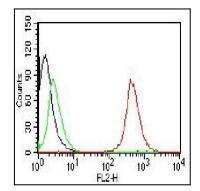


Fig. 1: Flow Cytometric staining of human CD63 on MCF-7 cells. Black: cells alone; Green: Isotype Control; Red: CF488-labeled CD63 Monoclonal Antibody (NKI/C3).

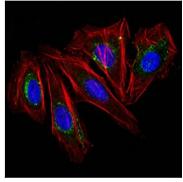


Fig. 2: IF staining of HeLa cells using CF488 labeled CD63 Monoclonal Antibody (NKI/C3) (Green). F-actin filaments are labeled with Dylight 554 phalloidin (red). DAPI was used to stain the cell nucleus (blue).