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## 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 conjugated to various

**Content:** reporter 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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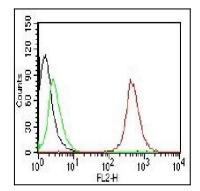


Fig. 1: Flow Cytometric staining of human CD63 on MCF-7 cells. Black: cells alone; Green: Isotype Control; Red: CF488-labeled CD63 Monoclonal Antibody (NKI/C3).

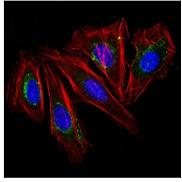


Fig. 2: IF staining of HeLa cells using CF488 labeled CD63 Monoclonal Antibody (NKI/C3) (Green). F-actin filaments are labeled with Dylight 554 phalloidin (red). DAPI was used to stain the cell nucleus (blue).