

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	NKI/C3
<b>Application :</b>	FACS,IF
<b>Reactivity :</b>	Human, Mouse
<b>Conjugate :</b>	CF488
<b>Gene :</b>	CD63
<b>Gene ID :</b>	967
<b>Uniprot ID :</b>	P08962
<b>Alternative Name :</b>	gp55; granulophysin; Lysosomal-associated membrane protein 3 (LAMP-3); Mast cell antigen AD1; melanoma 1 antigen; Melanoma-associated antigen MLA1; Melanoma-associated antigen ME491; MLA1; NGA; Ocular melanoma-associated antigen; OMA81H; PTLGP40; Tetraspanin-30; TSPAN30
<b>Isotype :</b>	Mouse IgG1, kappa
<b>Immunogen Information :</b>	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

<b>Amount :</b>	0.5 ml at 100µg/ml
<b>Content :</b>	Antibody Purified from Bioreactor Concentrate by Protein A/G and conjugated to various 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.
<b>Storage condition :</b>	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);

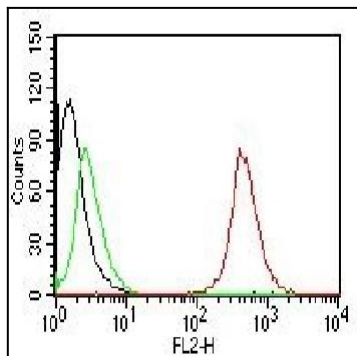


Fig. 1: Flow Cytometric staining of human CD63 on MCF-7 cells. Black: cells alone; Green: Isotype Control; Red: CF488-labeled CD63 Monoclonal Antibody (NKI/C3).

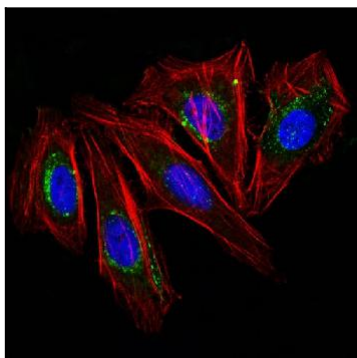


Fig. 2: IF staining of HeLa cells using CF488 labeled CD63 Monoclonal Antibody (NKI/C3) (Green). F-actin filaments are labeled with Dylight 554 phalloidin (red). DAPI was used to stain the cell nucleus (blue).