

CD63 (Late Endosomes Marker) Antibody

Mouse Monoclonal Antibody [Clone MX-49.129.5]

Catalog No	Format	Size
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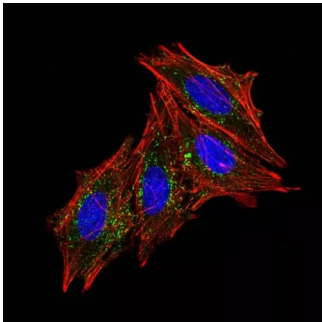
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

Product Details

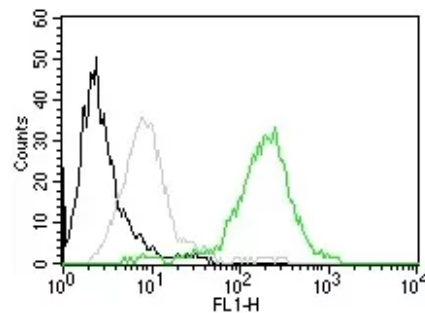
Clone	MX-49.129.5
Gene Name	CD63
Immunogen	Full length CD63 of human origin
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	26kDa (core protein); 30-60kDa (glycosylated)
Cellular Localization	Cytoplasm
Species Reactivity	Human, Mouse
Positive Control	HL60 SK-MEL-28 THP-1 or NIH/3T3 cells. Melanoma or lymphoma.

*Optimal dilution for a specific application should be determined.

Product Images for CD63 (Late Endosomes Marker) Antibody



IF staining of HeLa cells using CF488 labeled CD63 Monoclonal Antibody (MX-49.129.5) (Green). F-actin filaments are labeled with Dylight 554 phalloidin (red). DAPI was used to stain the cell nucleus (blue).



Flow Cytometry of human CD63 on MCF-7 cells. Black: cells alone; Grey: Isotype Control; Green: CF488-labeled CD63 Monoclonal Antibody (MX-49.129.5).

Specificity & Comments

This MAbs 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.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

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.

Storage and Stability

Antibody with azide - store at 4 to 8°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Immunology
