

Anti-Hu CD63 Purified Monoclonal Antibody

Catalog Number: M01080-2

About CD63

CD63 (LAMP-3, lysosome-associated membrane protein-3), a glycoprotein of tetraspanin family, is present in late endosomes, lysosomes and secretory vesicles of various cell types. It is also present in the plasma membrane, usually following cell activation. Hence, it has become a widely used basophil activation marker. In mast cells, however, CD63 exposition does not need their activation. CD63 interacts with integrins and affects phagocytosis and cell migration, it is also involved in H/K-ATPase trafficking regulation of ROMK1 channels. CD63 also serves as a T-cell costimulation molecule. Expression of CD63 can be used for predicting the prognosis in earlier stages of carcinomas.

Overview

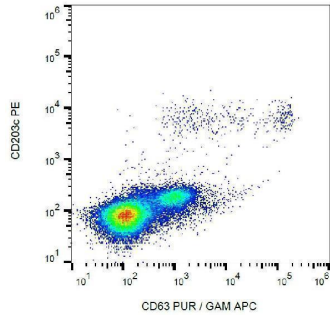
Product Name	Anti-Hu CD63 Purified Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-Hu CD63 Purified Monoclonal Antibody (Catalog# M01080-2). Tested in Flow Cytometry, IP, IHC-P, ICC application(s). This antibody reacts with Human.
Application	Flow Cytometry, IP, IHC-P, ICC
Clonality	Monoclonal MEM-259
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Mouse
Uniprot ID	P08962

Technical Details

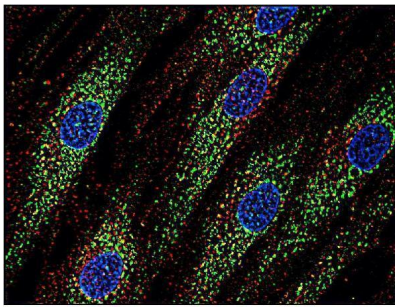
Immunogen	HPB-ALL T cell line. The antibody MEM-259 reacts with an extracellular/luminal epitope of CD63 (LAMP-3), a 40-60 kDa tetraspan glycoprotein expressed by granulocytes, platelets, T cells, monocytes/macrophages and endothelial cells. Cell surface exposition of CD63 is usually activation-dependent.
Predicted Reactive Species	Primate
Isotype	Mouse IgG1
Form	Liquid
Concentration	1 mg/ml
Purification	Purified by protein-A affinity chromatography.
Suggested Dilutions	Flow cytometry: 2 ug/ml; positive material: activated platelets, neutrophils and basophils.

Immunohistochemistry (paraffin sections): 10 ug/ml; positive tissue: spleen.

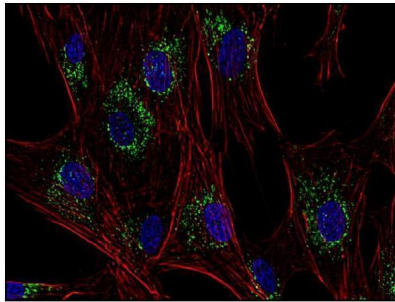
Anti-Hu CD63 Purified Monoclonal Antibody (M01080-2) Images



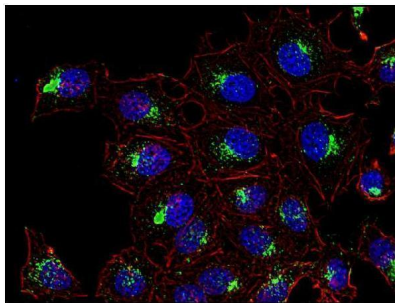
Flow cytometry analysis of IgE-activated peripheral blood stained with anti-human CD63 (MEM-259) purified, GAM-APC.



Immunocytochemistry staining of human skin fibroblasts with anti-CD63 (MEM-259; green) after co-incubation of living cells with human Transferrin - Dyomics 547 (red); cell nuclei stained with DAPI (blue).

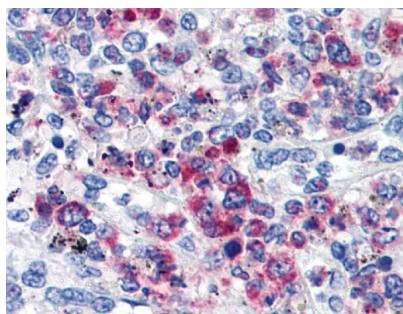


Immunocytochemistry staining of CD63 in human primary fibroblasts using anti-CD63 (MEM-259; green). Actin cytoskeleton was decorated by phalloidin (red) and cell nuclei stained with DAPI (blue).



Immunocytochemistry staining of CD63 in human HeLa cell line using anti-CD63 (MEM-259; green). Actin cytoskeleton was decorated by phalloidin (red) and cell nuclei stained with DAPI (blue).

Immunohistochemistry staining of human spleen (paraffin sections) using anti-CD63 (TEM-259). Commercially tested by LifeSpan BioSciences.



Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-Hu CD63 Purified Monoclonal Antibody

For Research Use Only. Not for use in diagnostic procedures.