

Anti-human CD63 Antibody Biotin Conjugated

Alternate names: LAMP-3; ME491;

MLA-1; Granulophysin; Ptgr40; NGA; gp55

Catalog No.: RGAB104-###

Amount: 50/100 µg

Host: Mouse

Isotype: Mouse IgG1, κ

Clonality: Mouse Monoclonal Biotin Conjugated

Immunogen: Human Splenic Adherent Cells

Purification: Protein A affinity chromatography

Molecular Weight: 30-60 kDa

Form: Liquid

Formulation: 0.5 mg/ml in Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide

Species Reactivity: Human

Storage Conditions: Store at 2-8°C. DO NOT FREEZE!

Description: Anti-CD63 recognizes an extracellular fragment of CD63, a 56-kilodalton (kDa), type III lysosomal glycoprotein, belonging to the tetraspanin family. CD63 is expressed by granulocytes, platelets, T-cells, monocytes/macrophages, endothelial cells. CD63 protein is also expressed in exosome membrane. CD63 interacts with integrins and affects phagocytosis and cell migration. CD63 also serves as a T-cell co-stimulator molecule. Expression of CD63 can be used for predicting the prognosis in earlier stages of carcinomas. CD63 protein is a canonical exosome marker and currently used to characterize exosome populations from a variety of body fluids.

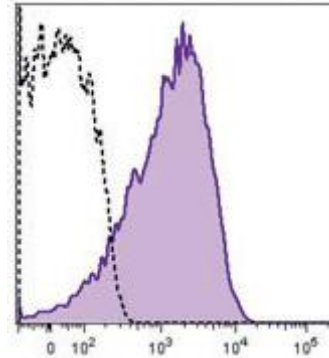
Applications:

ELISA: 1:1000 (Detection)

FACS: 1:100

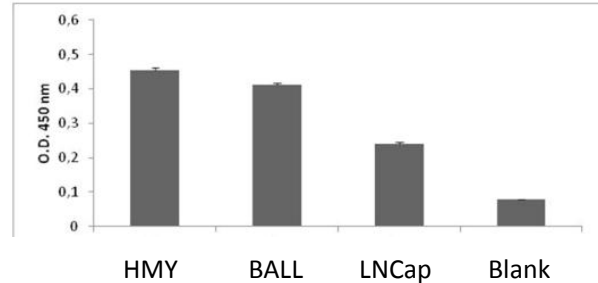
IF: 1:100

NOTE: This information is only intended as a guide. The optimal dilutions must be determined by the user.



Detection of CD63 by FACS.

CD63 staining of human plasma purified exosomes.



Detection of CD63 on exosomes by ELISA.

CD63 detection in purified exosomes from cell supernatants (HMY, BALL and LNCap).

RELATED PRODUCTS:

Purified Anti-human CD63 Antibody (Cat. No. RGAB103-###)

Other exosome specific antibodies (Cat. No. RGAB100-50 to Cat. No. 120-100)

FOR RESEARCH USE ONLY! Not to be used on humans.