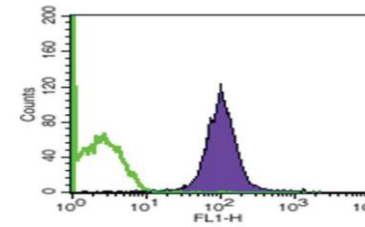


Anti-human CD63 Antibody

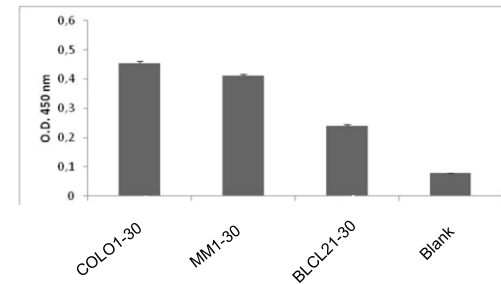
ALTERNATE NAMES:	CD63; LAMP-3 (lysosome-associated membrane protein-3)
CATALOG:	A1502-50
AMOUNT:	50 µg
HOST:	Mouse
ISOTYPE:	Mouse IgG1
CLONALITY:	Mouse Monoclonal Unconjugated
IMMUNOGEN:	T-cell line HRB-ALL
PURIFICATION:	>95%, purified from tissue culture supernatant or ascites by protein A affinity chromatography
MOLECULAR WEIGHT:	56 kDa
FORM:	Liquid
FORMULATION:	1 mg/ml in phosphate buffered saline (PBS) with sodium azide (15 mM), Approx. pH: 7.4.
SPECIES REACTIVITY:	Human
STORAGE CONDITIONS:	Store undiluted at 4°C. DO NOT FREEZE! Do not use after expiration date stamped on vial label.
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. Cell surface exposition of CD63 is usually activation dependent. 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 co-stimulator molecule. Expression of CD63 can be used for predicting the prognosis in earlier stages of carcinomas.
SPECIFICITY:	WB (1:1000), ELISA (1:500), FACS (1:200), IP, IHC-frozen, IHC-formalin (antigen retrieval required).

APPLICATIONS: Western Blot (WB) (using non-reducing conditions)
Enzyme-Linked Immunosorbent Assay (ELISA)
Fluorescent-Activated Cell Sorting (FACS)
Immunoprecipitation (IP)
Immunohistochemistry (IHC)

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 by ELISA. CD63 detection in purified exosomes from cell supernatants (COLO1-30, MM1-30, BLCL21-30).

RELATED PRODUCTS:

- Other exosome specific antibodies (Cat. No. 1500-50 to Cat. No. 1515-50)

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