Mouse anti-Human GRP75 Monoclonal Antibody | anti-GRP75 antibody

GRP75 (147) Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62326	**Mouse**	**Human**	**Flow Cytometry, Functional Assay, Immunoprecipitation, Western Blot**

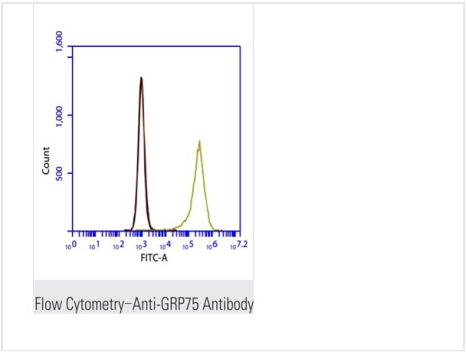
PRODUCT SYNONYMS

GRP75; Monoclonal Antibody; GRP75 (147) Mouse mAb; 75 kDa glucose-regulated protein; catecholamine-regulated protein 40; CSA; epididymis secretory sperm binding protein Li 124m; GRP-75; Heat shock 70 kDa protein 9; heat shock 70kD protein 9B; heat shock 70kDa protein 9 (mortalin); HSPA9B; mitochondrial; Mortalin; mortalin; perinuclear; mortalin-2; mortalin2; MOT; MOT2; MTHSP75; p66-mortalin; PBP74; Peptide-binding protein 74; stress-70 protein; Stress-70 protein; CRP40; EVPLS; HEL-S-124m; HSPA9; mt-HSP70; SAAN; SIDBA4; anti-GRP75 antibody

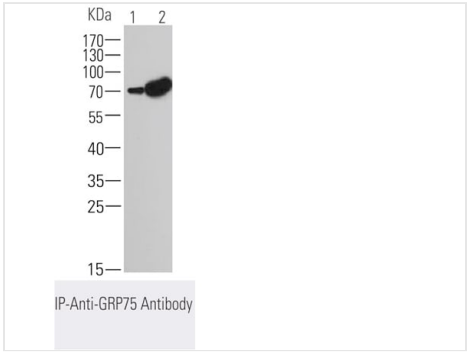
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Sequence Length	679
Applicable Applications for anti-GRP75 antibody	FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), WB (Western Blot)
Source Note	This monoclonal antibody is produced by immunizing mice with a sythetic peptide(KLH coupled)corresponding to amino-terminal residues of human
Preparation and Storage	Store at -20 degree C. Stable for one year from the date of shipment.

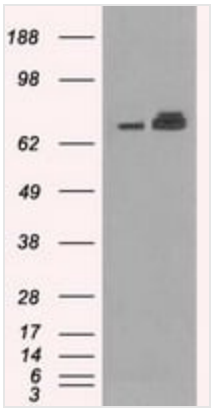
IMAGES



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of 2% paraformaldehyde-fixed Jurkat (Human T cell leukemia cells from peripheral blood) cells labeling GRP75 with M25001 at 1/200 dilution (green) compared with a mouse monoclonal IgG isotype control (black) and an unlabelled control (cells without incubation with primary antibody, blue). Goat anti-mouse IgG (FITC) at 1/300 dilution was used as the secondary antibody.



IP (Immunoprecipitation)
GRP75 was immunoprecipitated from 1mg of Jurkat cells membrane fraction, blotted with M25023 of 10 ug. Western blot was performed from the immunopre-cipitate using M25023 at 1/2000 dilution. Anti-Mouse-IgG(HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/10000 dilution. Lane 1: Jurkat cells membrane fraction. Lane2: IP product of Jurkat cells membrane fraction.Predicted band size : 74 KDaObserved band size : 74 KDaBlocking and dilution buffer and concentration:5% milk/TBST.



WB (Western Blot)

ADDITIONAL INFORMATION

Related Product Information for anti-GRP75 antibody	This gene encodes a member of the heat shock protein 70 gene family. The encoded protein is primarily localized to the mitochondria but is also found in the endoplasmic reticulum, plasma membrane and cytoplasmic vesicles. This protein is a heat-shock cognate protein. This protein plays a role in cell proliferation, stress response and maintenance of the mitochondria. A pseudogene of this gene is found on chromosome 2.
Product Categories/Family for anti-GRP75 antibody	Cell Marker; Subcellular Marker; Membrane

NCBI AND UNIPROT INFORMATION

NCBI GI #	24234688
NCBI GeneID	3313
NCBI Accession #	NP_004125.3
NCBI GenBank Nucleotide #	NM_004134.6
UniProt Accession #	P38646; P30036; P31932; Q1HB43; Q53H23; Q6GU03; Q9BWB7; Q9UC56; B2RCM1
Molecular Weight	73,680 Da
NCBI Official Full Name	stress-70 protein, mitochondrial
NCBI Official Synonym Full Names	heat shock protein family A (Hsp70) member 9
NCBI Official Symbol	HSPA9
NCBI Official Synonym Symbols	CSA; MOT; MOT2; SAAN; CRP40; EVPLS; GRP75; PBP74; GRP-75; HSPA9B; SIDBA4; MTHSP75; HEL-S-124m
NCBI Protein Information	stress-70 protein, mitochondrial
UniProt Protein Name	Stress-70 protein, mitochondrial
UniProt Gene Name	**HSPA9**
UniProt Synonym Gene Names	GRP75; HSPA9B; mt-HSP70; GRP-75; MOT; PBP74

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/grp75-antibody-flow-cytometry-immunoprecipitation-western-blot-elisa/62326