

Mouse anti-Human GRP94 Monoclonal Antibody | anti-GRP94 antibody

GRP94 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48190	Mouse	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

GRP94; Monoclonal Antibody; GRP94 antibody; 94 kDa glucose-regulated protein; HSP90B1; GP96; TRA1; Tumor rejection antigen 1; 94 kDa glucose-regulated protein 94 kDa glucose regulated protein; ECGP; Endoplasmic; Endothelial cell (HBMEC) glycoprotein; Glucose regulated protein 94kDa; gp96; gp96 homolog; GRP 9; Heat shock protein 90 kDa beta member 1; Stress inducible tumor rejection antigen GP96; Tumor rejection antigen gp96.; anti-GRP94 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b, k
Clone Number	AT94B9
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	803
Applicable Applications for anti-GRP94 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human GRP94 (22-803aa) purified from E Coli.
Clone Note	Anti-human GRP94 mAb, clone AT94B9, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human GRP94 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of GRP94 in U87MG cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human GRP94 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The Recombinant Human GRP94 (25ng) and Cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human GRP94 antibody (1:3000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: Recombinant Human GRP94 Lane 2.: HeLa cell lysate Lane 3.: Jurkat cell lysate Lane 4.: HepG2 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-GRP94 antibody	GRP94, also known as Heat shock protein 90kDa beta, member 1 (HSP90B1), is an abundant resident endoplasmic reticulum (ER) luminal stress protein which together with cytosolic Hsp90 belongs to the Hsp90 family of molecular chaperones. It plays an important role in maintaining protein homeostasis in the secretory pathway. Also, GRP94 can function in the intracellular trafficking of peptides from the extracellular space to the MHC class I antigen processing pathway of antigen presentation cells.
Product Categories/Family for anti-GRP94 antibody	Signal Transduction; Metabolism
References	Randow F., et al. (2001) Nat Cell Biol. 3 (10): 231; Li Z., et al. (2002) Front Biosci. 7: 731-751

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507677
NCBI GeneID	7184
NCBI Accession #	NP_003290
NCBI GenBank Nucleotide #	NM_003299.2
UniProt Accession #	P14625; Q96A97
Molecular Weight	92,469 Da
NCBI Official Full Name	endoplasmin
NCBI Official Synonym Full Names	heat shock protein 90 beta family member 1
NCBI Official Symbol	HSP90B1
NCBI Official Synonym Symbols	ECGP; GP96; TRA1; GRP94; HEL35; HEL-S-125m
NCBI Protein Information	endoplasmin
UniProt Protein Name	Endoplasmin
UniProt Gene Name	HSP90B1
UniProt Synonym Gene Names	GRP94; TRA1; GRP-94

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/grp94-antibody-clone-at94b9-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/48190>