

ARG57042 anti-GRP94 antibody [94B9]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [94B9] recognizes GRP94
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, WB
Host	Mouse
Clonality	Monoclonal
Clone	94B9
Isotype	IgG2b, kappa
Target Name	GRP94
Species	Human
Immunogen	Recombinant fragment around aa. 22-803 of Human GPR94.
Conjugation	Un-conjugated
Alternate Names	Tumor rejection antigen 1; gp96 homolog; Endoplasmic; 94 kDa glucose-regulated protein; HEL-S-125m; GP96; GRP94; TRA1; HEL35; GRP-94; Heat shock protein 90 kDa beta member 1; ECGP

Application Instructions

Application table	Application	Dilution
	FACS	Assay-dependent
	ICC/IF	Assay-dependent
	WB	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

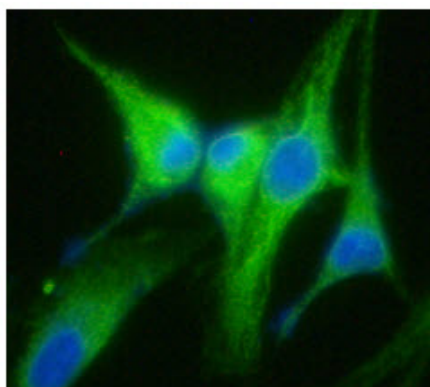
Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

Database links	GeneID: 7184 Human Swiss-port # P14625 Human
Gene Symbol	HSP90B1
Gene Full Name	heat shock protein 90kDa beta (Grp94), member 1
Background	This gene encodes a member of a family of adenosine triphosphate(ATP)-metabolizing molecular chaperones with roles in stabilizing and folding other proteins. The encoded protein is localized to melanosomes and the endoplasmic reticulum. Expression of this protein is associated with a variety of pathogenic states, including tumor formation. There is a microRNA gene located within the 5' exon of this gene. There are pseudogenes for this gene on chromosomes 1 and 15. [provided by RefSeq, Aug 2012]
Function	Molecular chaperone that functions in the processing and transport of secreted proteins. When associated with CNPY3, required for proper folding of Toll-like receptors (By similarity). Functions in endoplasmic reticulum associated degradation (ERAD). Has ATPase activity. [UniProt]
Calculated Mw	92 kDa

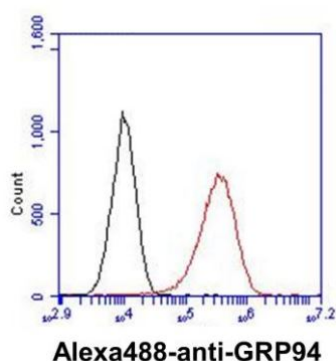
Images



ARG57042 anti-GRP94 antibody [94B9] ICC/IF image

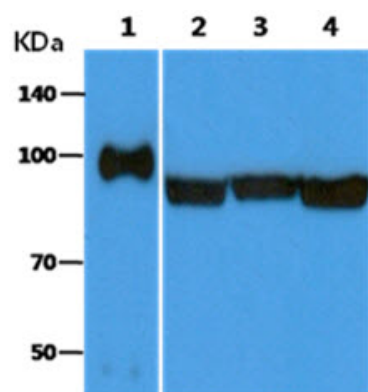
Immunofluorescence: U87MG cell line stained with ARG57042 anti-GRP94 antibody [94B9] at 1:100 (Green).

DAPI (Blue) for nucleus staining.



ARG57042 anti-GRP94 antibody [94B9] FACS image

Flow Cytometry: U87MG cell line stained with ARG57042 anti-GRP94 antibody [94B9] at 2-5 μ g for 1×10^6 cells (red line). Secondary antibody: Goat anti-Mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was Mouse IgG (black line).



ARG57042 anti-GRP94 antibody [94B9] WB image

Western blot: 1) 25 ng of Recombinant Human GRP94, 40 µg of 2) HeLa cell lysate, 3) Jurkat cell lysate, 4) HepG2 cell lysate stained with ARG57042 anti-GRP94 antibody [94B9] at 1:3000.