

Mouse anti-Human TRA1 Monoclonal Antibody | anti-TRA1 antibody

TRA1 antibody

CATALOG # AAA47994	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunofluorescence, Western Blot, ELISA
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PRODUCT SYNONYMS

TRA1; Monoclonal Antibody; TRA1 antibody; 94 kDa glucose-regulated protein; HSP90B1; GP96; Tumor rejection antigen 1; GRP94; 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-TRA1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a, k
Clone Number	2H3
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	803
Applicable Applications for anti-TRA1 antibody	IF (Immunofluorescence), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human TRA1 (676-803aa) purified from E. coli
Clone Note	Anti-human TRA1 mAb, clone 2H3, is derived from hybridization of mouse SP2/O myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human TRA1 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)

Immunofluorescence staining of human ES cell colony with monoclonal anti-human TRA1 antibody (2H3)



WB (Western Blot)

The cell lysates of hES (20ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human TRA1 (1:500). Protein were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1. : ES cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-TRA1 antibody	Tumor rejection antigen 1 (TRA1) is expressed on the surface of human teratocarcinoma stem cells (EC), human embryonic germ cells (EG) and human embryonic stem cells (ES). TRA1 is a marker protein of these stem cells.
Product Categories/Family for anti-TRA1 antibody	Heat Shock Proteins
References	Wulf GM, et al., (2002) J Biol. Chem. 277 (50)47976-47979; Hamdane M, et al., (2002) J Mol Neurosci. 19 (3) ; 275-287 Zheng H, et al., (2002) Nature 419 (6909) 853-857; Lu,k.P. et al., (1996) Nature 380 (6574) 544-547.; Campbell,H.D, et al., (1997) Genomics 44 (2), 157-162

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.