

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

Mouse monoclonal antibody Anti-Human TARS

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA36368	Mouse	Human	Flow Cytometry, Functional Assay, Western Blot, Immunocytochemistry, Dot Blot

PRODUCT SYNONYMS

TARS; Monoclonal Antibody; Mouse monoclonal antibody Anti-Human TARS; Homo sapiens threonyl-tRNA synthetase; mRNA (cDNA clone MGC:9344 IMAGE:3458845); complete cds; ThrRS; MGC9344; anti-TARS antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	TARSF8H3
Concentration	100 ug/ml (1.0 ml) (varies by lot)
Sequence Length	2662
Applicable Applications for anti-TARS antibody	FCM/FACS (Flow Cytometry), WB (Western Blot), ICC (Immunocytochemistry), DB (Dot Blot)
Preparation	This antibody was purified using protein G column chromatography from culture supernatant of hybridoma cultured in a medium containing bovine IgG-depleted (approximately 95%) fetal bovine serum.
Sterility	Filtered through a 0.22 um membrane.

IMAGES



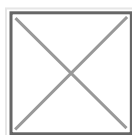
ICC (Immunocytochemistry)

Immunostaining analysis in HeLa cells. HeLa cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% Triton X-100 in PBS. The cells were immunostained with anti-TARS mAb. [Lot No. TARSF8H3-1]



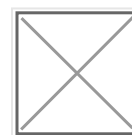
FCM/FACS (Flow Cytometry)

HeLa cells were fixed in 2% paraformaldehyde/PBS and then permeabilized in 90% methanol. Cells were stained with anti-TARS mAb (shaded) or isotype control (unshaded) followed by Alexa Fluor(R) 488-conjugated goat anti-mouse IgG. [Lot No. TARSF8H3-1]



WB (Western Blot)

Detection of human TARS by Western blot. Samples: Whole cell lysate (25 ug) from HeLa cells. [Lot No. TARSF8H3-1] Predicted molecular weight: 83 kDa



Quality Control

Left: Western blot analysis of immunized recombinant protein, using anti-TARS monoclonal antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-TARS antibody	Aminoacyl-tRNA synthetases catalyze the aminoacylation of tRNA by their cognate amino acid. Because of their central role in linking amino acids with nucleotide triplets contained in tRNAs, aminoacyl-tRNA synthetases are thought to be among the first proteins that appeared in evolution. Threonyl-tRNA synthetase belongs to the class-II aminoacyl-tRNA synthetase family [NCBI Entrez Gene Summary]
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NCBI AND UNIPROT INFORMATION

NCBI GI #	14714852
NCBI GeneID	6897
Molecular Weight	86,861 Da
NCBI Official Full Name	Homo sapiens threonyl-tRNA synthetase, mRNA
NCBI Official Synonym Full Names	threonyl-tRNA synthetase
NCBI Official Symbol	TARS
NCBI Official Synonym Symbols	ThrRS
NCBI Protein Information	threonine--tRNA ligase, cytoplasmic; threonine tRNA ligase 1, cytoplasmic; threonyl-tRNA synthetase, cytoplasmic
UniProt Protein Name	Threonine--tRNA ligase, cytoplasmic
UniProt Gene Name	TARS
UniProt Entry Name	SYTC_HUMAN

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/tars-antibody-clone-tarsf8h3-flow-cytometry-western-blot-immunocytochemistry-dot-blot-elisa/36368>