

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

Mouse monoclonal antibody Anti-Human MARS

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA10600	Mouse	Human	Dot Blot, Immunocytochemistry, Immunoprecipitation, Western Blot, Flow Cytometry, Functional Assay

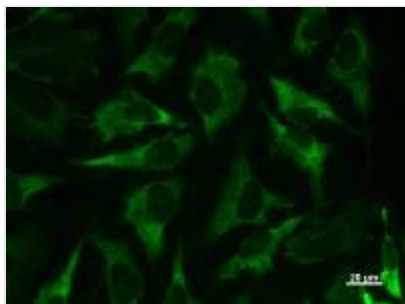
PRODUCT SYNONYMS

MARS; Monoclonal Antibody; Mouse monoclonal antibody Anti-Human MARS; methionine-tRNA synthetase; MTRNS; METRS; anti-MARS antibody

PRODUCT SPECIFICATIONS

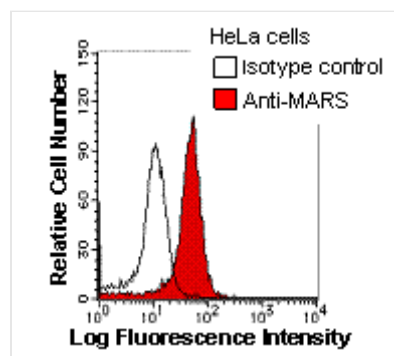
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	MARSD10B4
Concentration	100 ug/ml (1.0 ml) (varies by lot)
Sequence Length	2799
Applicable Applications for anti-MARS antibody	DB (Dot Blot), ICC (Immunocytochemistry), IP (Immunoprecipitation), WB (Western Blot), FCM/FACS (Flow Cytometry)
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



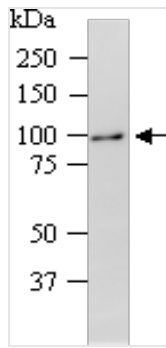
ICC (Immunocytochemistry)

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-MARS mAb. [Lot No. MARSD10B4-2]



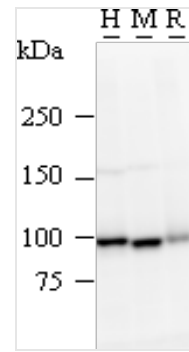
FCM (Flow Cytometry)

HeLa cells were fixed in 2% paraformaldehyde/PBS and then permeabilized in 90% methanol. Cells were stained with anti-MARS mAb (shaded) or isotype control (unshaded) followed by Alexa Fluor(R) 488-conjugated goat anti-mouse IgG. [Lot No. MARSD10B4-3]



IP (Immunoprecipitation)

Immunoprecipitation: RIPA lysate of HeLa cells was incubated with anti-MARS mAb. [Lot No. MARSD10B4-2] Predicted molecular weight: 101 kDa



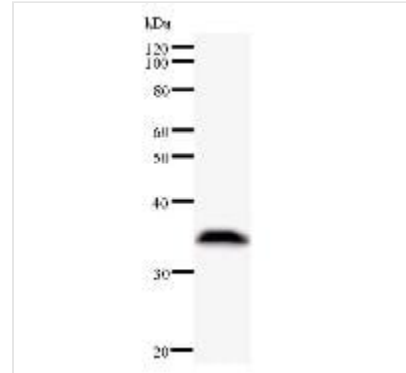
WB (Western Blot)

Detection of MARS by Western blot. Samples: Whole cell lysate from human HEK293 (H, 25 ug), mouse NIH3T3 (M, 25 ug) and rat F2408 (R, 25 ug) cells. [Lot No. MARSD10B4-3] Predicted molecular weight: 101 kDa



Quality Control

Arrow indicates the region of immunized recombinant protein carrying 50-200 amino acids.



Quality Control

Western blot analysis of immunized recombinant protein, using anti-MARS monoclonal antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MARS antibody

Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. The protein encoded by this gene belongs to the class I family of tRNA synthetases. [NCBI Entrez Gene Summary]

NCBI AND UNIPROT INFORMATION

NCBI GI #	38197204
NCBI GeneID	4141
Molecular Weight	61,816 Da
NCBI Official Full Name	Homo sapiens methionyl-tRNA synthetase, mRNA
NCBI Official Synonym Full Names	methionyl-tRNA synthetase
NCBI Official Symbol	MARS
NCBI Official Synonym Symbols	MRS; METRS; MTRNS; SPG70
NCBI Protein Information	methionine--tRNA ligase, cytoplasmic; cytosolic methionyl-tRNA synthetase
UniProt Protein Name	Methionine--tRNA ligase, cytoplasmic
UniProt Gene Name	MARS
UniProt Entry Name	SYMC_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.

