



Anti-MARS monoclonal antibody (DCABH-9206)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to Methionyl tRNA synthetase
Antigen Description	This gene encodes a member of the class I family of aminoacyl-tRNA synthetases. These enzymes play a critical role in protein biosynthesis by charging tRNAs with their cognate amino acids. The encoded protein is a component of the multi-tRNA synthetase complex and catalyzes the ligation of methionine to tRNA molecules.
Immunogen	Recombinant fragment: LFQKLENDQI ESLRQRFGGG QAKTSPKPAV VETVTTAKPQ QIQALMDEV T KQGNIVRELK AQKADKNEVA AEVAKLLDLK KQLAVAEGKP PEAPKGKKK, corresponding to amino acids 801-900 of Human Methionyl tRNA synthetase
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB, ICC/IF
Format	Liquid
Size	100 µg
Buffer	Preservative: None PBS, pH 7.2
Preservative	None
Storage	store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Ship

Shipped at 4°C.

GENE INFORMATION

Gene Name	MARS methionyl-tRNA synthetase [Homo sapiens]
Official Symbol	MARS
Synonyms	MARS; methionyl-tRNA synthetase; methionine--tRNA ligase, cytoplasmic; methionine tRNA ligase 1; cytoplasmic; MetRS; cytosolic methionyl-tRNA synthetase; methionine tRNA ligase 1, cytoplasmic; MRS; METRS; MTRNS; FLJ35667;
Entrez Gene ID	4141
Protein Refseq	NP_004981
UniProt ID	P56192
Chromosome Location	12q13
Pathway	Aminoacyl-tRNA biosynthesis, organism-specific biosystem; Aminoacyl-tRNA biosynthesis, conserved biosystem; Aminoacyl-tRNA biosynthesis, eukaryotes, organism-specific biosystem; Aminoacyl-tRNA biosynthesis, eukaryotes, conserved biosystem; Cytosolic tRNA aminoacylation, organism-specific biosystem; Gene Expression, organism-specific biosystem; Selenocompound metabolism, organism-specific biosystem;
Function	ATP binding; ligase activity; methionine-tRNA ligase activity; nucleotide binding; tRNA binding;