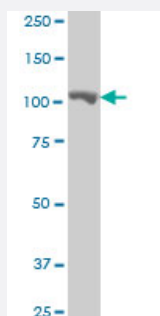


MARS monoclonal antibody (M01), clone 5G5

Catalog # H00004141-M01

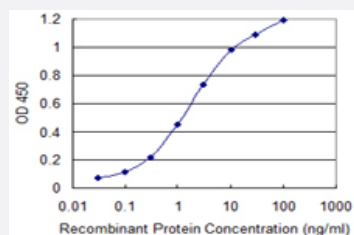
Size 100 ug

Applications



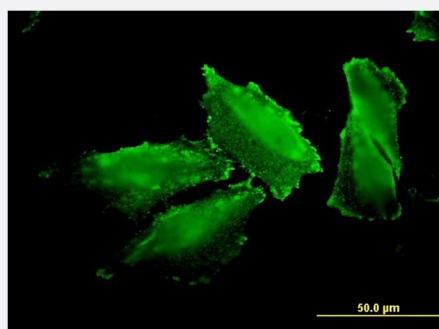
Western Blot (Cell lysate)

MARS monoclonal antibody (M01), clone 5G5 Western Blot analysis of MARS expression in HepG2 (Cat # L019V1).



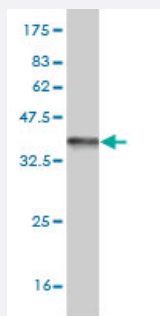
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MARS is 0.03 ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to MARS on HepG2 cell.
[antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant MARS.
Immunogen	MARS (NP_004981, 801 a.a. ~ 899 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	LFQKLENDQIESLRQRFGGGQAKTSPKPAVVETVTTAKPQQIQALMDEVTKQGNVRELKAQKAD KNEVAAEVAKLLDLKKQLAVAEGKPPEAPKGKKK
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

MARS monoclonal antibody (M01), clone 5G5 Western Blot analysis of MARS expression in HepG2 (Cat # L019V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MARS is 0.03 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA
- Immunofluorescence

Immunofluorescence of monoclonal antibody to MARS on HepG2 cell. [antibody concentration 10 ug/ml]

Gene Info — MARS

Entrez GeneID [4141](#)

GeneBank Accession# [NM_004990](#)

Protein Accession# [NP_004981](#)

Gene Name MARS

Gene Alias FLJ35667, METRS, MTRNS

Gene Description methionyl-tRNA synthetase

Omim ID [156560](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations methionine tRNA ligase 1, cytoplasmic|methionine-tRNA synthetase

Pathway

- [Aminoacyl-tRNA biosynthesis](#)
- [Selenoamino acid metabolism](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Prostatic Neoplasms](#)