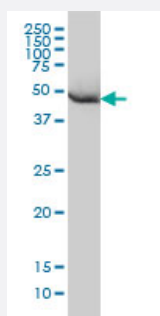


# HARS monoclonal antibody (M01), clone 1C8

Catalog # H00003035-M01

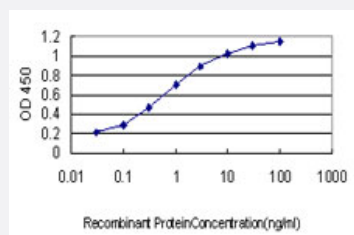
Size 100 ug

## Applications



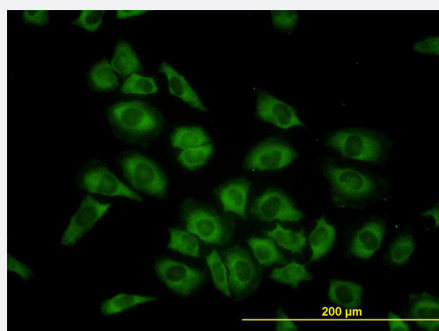
### Western Blot (Cell lysate)

HARS monoclonal antibody (M01), clone 1C8 Western Blot analysis of HARS expression in HeLa ( Cat # L013V1 ).



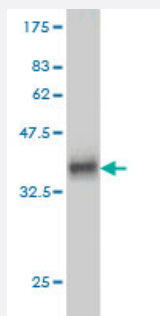
### Sandwich ELISA (Recombinant protein)

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



### Immunofluorescence

Immunofluorescence of monoclonal antibody to HARS on HeLa cell. [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (36.3 KDa) .

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against a partial recombinant HARS.
<b>Immunogen</b>	HARS (NP_002100, 1 a.a. ~ 96 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence</b>	MAERAAL EELVKLQGERV RGLKQQKASAE LIEEEVAKLLKLKAQLGPDESKQKFVLKTPKGTRD YSPRQMAVREKVF DVIIRCFKRHGAEVIDTPV
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Isotype</b>	IgG2a Kappa
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.3 KDa) .
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Cell lysate)

HARS monoclonal antibody (M01), clone 1C8 Western Blot analysis of HARS expression in HeLa ( Cat # L013V1 ).

[Protocol Download](#)

- Western Blot (Recombinant protein)

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

[Protocol Download](#)

- ELISA
- Immunofluorescence

Immunofluorescence of monoclonal antibody to HARS on HeLa cell. [antibody concentration 10 ug/ml]

## Gene Info — HARS

Entrez GeneID [3035](#)

GeneBank Accession# [NM\\_002109](#)

Protein Accession# [NP\\_002100](#)

Gene Name HARS

Gene Alias FLJ20491, HRS

Gene Description histidyl-tRNA synthetase

Omim ID [142810](#)

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 is a cytoplasmic enzyme which belongs to the class II family of aminoacyl-tRNA synthetases. The enzyme is responsible for the synthesis of histidyl-transfer RNA, which is essential for the incorporation of histidine into proteins. The gene is located in a head-to-head orientation with HARSL on chromosome five, where the homologous genes share a bidirectional promoter. The gene product is a frequent target of autoantibodies in the human autoimmune disease polymyositis/dermatomyositis. [provided by RefSeq]

**Other Designations** HisRS|histidine tRNA ligase 1, cytoplasmic|histidine transylase|histidine-tRNA ligase

## Pathway

- [Aminoacyl-tRNA biosynthesis](#)