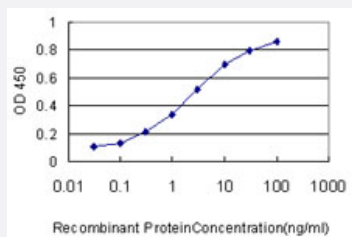


HAMP monoclonal antibody (M02), clone 1F9

Catalog # H00057817-M02

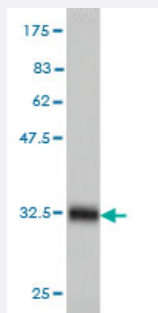
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

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



Western Blot detection against Immunogen (32.34 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant HAMP.
Immunogen	HAMP (AAH20612, 25 a.a. ~ 84 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	SVFPQQTGQLAELQPQDRAGARASWMPMFQRRRRRDTHFPICIFCCGCCHRSKCGMCCKT
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (32.34 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 (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

- ELISA

Gene Info — HAMP

Entrez GeneID

[57817](#)

GeneBank Accession#

[BC020612](#)

Protein Accession#

[AAH20612](#)

Gene Name

HAMP

Gene Alias

HEPC, HEPCIDIN, HFE2B, LEAP-1, LEAP1, PLTR

Gene Description

hepcidin antimicrobial peptide

Omim ID

[602390](#) [606464](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

The product encoded by this gene is involved in the maintenance of iron homeostasis, and it is necessary for the regulation of iron storage in macrophages, and for intestinal iron absorption. The preproprotein is post-translationally cleaved into mature peptides of 20, 22 and 25 amino acids, and these active peptides are rich in cysteines, which form intramolecular bonds that stabilize their beta-sheet structures. These peptides exhibit antimicrobial activity. Mutations in this gene cause hemochromatosis type 2B, also known as juvenile hemochromatosis, a disease caused by severe iron overload that results in cardiomyopathy, cirrhosis, and endocrine failure. [provided by RefSeq]

Other Designations

liver-expressed antimicrobial peptide|putative liver tumor regressor

Disease

- [Abortion](#)
- [beta-Thalassemia](#)
- [Birth Weight](#)
- [Genetic Predisposition to Disease](#)
- [Hemochromatosis](#)
- [Hereditary hemochromatosis](#)
- [Iron Metabolism Disorders](#)
- [Iron Overload](#)
- [Pregnancy Complications](#)