

Mouse anti-Human HAMP / Hepcidin Monoclonal Antibody | anti-HAMP antibody

Mouse Monoclonal [clone 1F9] (IgG1,k) to Human HAMP / Hepcidin

CATALOG # AAA51903	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA, Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

HAMP / Hepcidin; Monoclonal Antibody; Mouse Monoclonal [clone 1F9] (IgG1; k) to Human HAMP / Hepcidin; Anti-HAMP / Hepcidin Antibody (clone 1F9) IHC-plus; HAMP; Hepcidin antimicrobial peptide; LEAP-1; LEAP1; HEPC; Hepcidin; HFE2B; PLTR; Putative liver tumor regressor; Human HAMP; anti-HAMP antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	1F9
Purity/Purification	Protein A Purified
Form/Format	PBS, pH 7.2
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	84
Applicable Applications for anti-HAMP antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	HAMP (AAH20612, 25 a.a. ~ 85 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Immunogen Type	Recombinant protein
Immunogen	HAMP / Hepcidin antibody was raised against hAMP (AAH20612, 25 a.a. ~ 85 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Preparation and Storage	+4 degree C or -20 degree C, Avoid repeated freezing and thawing.

IMAGES



ELISA

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



IHC (Immunohistochemistry)

Anti-HAMP / Hepcidin antibody IHC of human liver. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.



IHC (Immunohistochemistry)

Anti-HAMP / Hepcidin antibody IHC of human thyroid. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-HAMP antibody	Hepcidin, an human antimicrobial peptide, contains a leader sequence, a proteolysis site and a C-terminal 25 amino acid active peptide. This peptide is most active against gram-positive bacteria, but also inhibits the growth of certain yeast and gram-negative bacteria. HAMP also functions as a signaling molecule involved in the maintenance of iron homeostasis. In conjugation with HFE it seems to regulate both intestinal iron absorption and iron storage in macrophages.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	10863973
NCBI GeneID	57817
NCBI Accession #	NP_066998.1
NCBI GenBank Nucleotide #	NM_021175.2
UniProt Accession #	P81172; Q1HE14; Q9BY68
Molecular Weight	9,408 Da
NCBI Official Full Name	hepcidin preproprotein
NCBI Official Synonym Full Names	hepcidin antimicrobial peptide
NCBI Official Symbol	HAMP
NCBI Official Synonym Symbols	HEPC; PLTR; HFE2B; LEAP1
NCBI Protein Information	hepcidin; putative liver tumor regressor; liver-expressed antimicrobial peptide 1
UniProt Protein Name	Hepcidin
UniProt Gene Name	HAMP
UniProt Synonym Gene Names	HEPC; LEAP1; LEAP-1; PLTR; Hepc25; Hepc20
UniProt Entry Name	HEPC_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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/hamp-hepcidin-antibody-clone-1f9-western-blot-immunohistochemistry-elisa/51903>