



BMA BIOMEDICALS



Peninsula Laboratories

T-4866

Rabbit anti Hepcidin-25 (mouse) [UniProt: Q9EQ21]

Hepcidin-25 is a 25-residue peptide synthesized in the liver. This is the bioactive form of hepcidin, a key regulator of iron homeostasis. It acts through downregulation of the cellular iron exporter ferroportin, which is expressed on enterocytes, macrophages and hepatocytes. Hepcidin-25 production is upregulated by inflammation as well as iron overload, leading to anemia through interference with the body's intestinal iron absorption and its utilization of iron. Hepcidin is also a small defensin-like peptide with anti-microbial activity, which is secreted into the urine.

This antibody was generated by immunization of rabbits with Hepcidin-25 coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A09277
Host species:	Rabbit IgG
Quantity:	400µg
Format:	Protein A affinity purified from antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 0.2ml distilled water. This stock solution contains 2mg/ml IgG, phosphate buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative.
Stability:	Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
Applications:	This antibody has been tested and validated in ELISA against Hepcidin-25. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user. Please see www.bma.ch for protocols and general information.
Immunogen:	Synthetic peptide H-Asp-Thr-Asn-Phe-Pro-Ile-Cys-Leu-Phe-Cys-Cys-Lys-Cys-Cys-Lys-Asn-Ser-Ser-Cys-Gly-Leu-Cys-Cys-Ile-Thr-OH coupled to carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
Hepcidin-25 (mouse)	100
Hepcidin-25 (rat)	0

Cross-reactivity taken from Enzyme immunoassay application.

Related Products:

S-1482: ELISA, high sensitivity for extracted rat samples
S-1337-:ELISA, extraction-free for serum and plasma sample
S-1465: ELISA, high sensitivity for extracted mouse samples
S-1328: ELISA, high sensitivity for extracted human samples

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Purchase of this product does not include authorization to use it in diagnostic or therapeutic applications.

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rabbit IgG

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