

Hepcidin-Murine Compete ELISA Kit

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CATALOG #
AAA60652

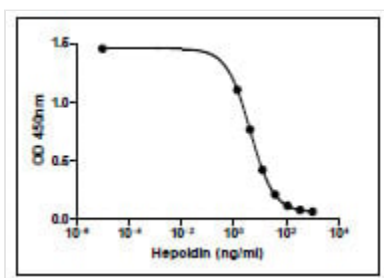
PRODUCT SYNONYMS

Hepcidin-Murine Compete; Hepcidin-Murine Compete ELISA Kit; Hepcidin-Murine Compete elisa kit

PRODUCT SPECIFICATIONS

Samples	Serum and urine. murine hepcidin-2 (hepc-2) is not detected and does not interfere with hepc-1 measurements using this elisa
Assay Type	Competitive
Preparation and Storage	Store at -20 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Hepcidin-Murine Compete elisa kit

Intended Uses: The Hepcidin-Murine Compete™ ELISA is designed for specific quantification of hepcidin-1 (hepc-1) in murine serum and urine. Murine hepcidin-2 (hepc-2) is not detected and does not interfere with hepc-1 measurements using this ELISA.

Principle of the Assay: This kit is a solid-phase enzyme-linked immunosorbent assay (ELISA), based on the principles of competitive binding. Murine samples, standards, or controls are mixed with buffer containing hepc-1 biotin conjugate. This mixture is then incubated in an antimurine hepc-1 antibody coated ELISA microwell plate. The more murine hepc-1 in the sample, the less hepc-1 biotin conjugate will bind to the antibody coated well due to "competition" for antibody binding sites between native hepcidin and hepc-1 biotin conjugate. The plate is then washed to allow the removal of unbound hepc-1 biotin conjugate. The hepc-1 biotin conjugate bound to the antibody is detected with streptavidin conjugated horseradish peroxidase (HRP). The binding of the hepc-1 biotin conjugate is quantified by the addition of TMB, a chromogenic substrate. The reaction produces a blue color and is stopped with the addition of a stop solution and the absorbance is then read at 450 nm. A standard curve is produced by plotting the concentration of the standard versus the absorbance. The intensity of the color is inversely proportional to the concentration of hepcidin-1 in the sample. The total assay run time is 2.75 hours.

Product Categories/Family for Hepcidin-Murine Compete elisa kit

[Specialty Products and Technologies](#)

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.

