

Bovine Haptoglobin (Hpt) ELISA Kit | Hpt elisa kit

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CATALOG #
AAA66523

REACTIVITY
Bovine

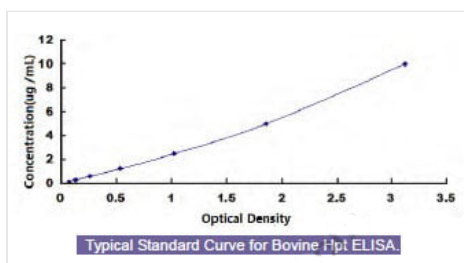
PRODUCT SYNONYMS

Haptoglobin (Hpt); Bovine Haptoglobin (Hpt) ELISA Kit; HP; Hp2-Alpha; Alpha-2-Macroglobulin; Zonulin; Hpt elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of Hpt. No significant cross-reactivity or interference between Hpt and analogues was observed.
Sequence Length	401
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	156.25-10000ng/mL
Sensitivity	41.5ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Hpt were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Hpt were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Hpt elisa kit	Intended Uses: This kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of Hpt in bovine serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to Hpt. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to Hpt. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Hpt, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of Hpt in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	94966763
NCBI GeneID	280692
NCBI Accession #	NP_001035560.1
NCBI GenBank Nucleotide #	NM_001040470.2
UniProt Accession #	Q2TBU0
Molecular Weight	44,859 Da
NCBI Official Full Name	haptoglobin
NCBI Official Symbol	HP
NCBI Protein Information	haptoglobin
UniProt Protein Name	Haptoglobin
UniProt Gene Name	HP

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.