

Human Haptoglobin ELISA Kit | HP elisa kit

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CATALOG #
AAA83135

REACTIVITY
Human

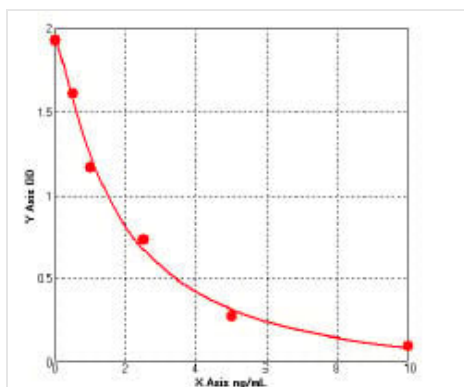
PRODUCT SYNONYMS

Haptoglobin; Human Haptoglobin ELISA Kit; HP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Haptoglobin. No significant cross-reactivity or interference between Haptoglobin and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between Haptoglobin and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma
Assay Type	Quantitative Competitive
Sensitivity	0.1 mg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HP elisa kit	Intended Uses: This Haptoglobin ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human Haptoglobin. This ELISA kit for research use only! Principle of the Assay: Haptoglobin ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-Haptoglobin antibody and an Haptoglobin-HRP conjugate. The assay sample and buffer are incubated together with Haptoglobin-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the Haptoglobin concentration since Haptoglobin from samples and Haptoglobin-HRP conjugate compete for the anti-Haptoglobin antibody binding site. Since the number of sites is limited, as more sites are occupied by Haptoglobin from the sample, fewer sites are left to bind Haptoglobin-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Haptoglobin concentration in each sample is interpolated from this standard curve.
Product Categories/Family for HP elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	223693015
NCBI GeneID	7502682
Molecular Weight	19,166 Da
NCBI Official Full Name	Hpt
NCBI Official Symbol	hpt
NCBI Protein Information	hypoxanthine-guanine phosphoribosyltransferase Hpt (HGPRT) (HGPRTase); hypothetical protein
UniProt Protein Name	Hpt
UniProt Gene Name	hpt
UniProt Synonym Gene Names	HRM2_32180
UniProt Entry Name	C0QLJ4_DESAH

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://www.aaabiotech.com/hp-human-elisa-kits/haptoglobin/83135>