

Human Hemopexin ELISA Kit | HPX elisa kit

Human Hemopexin PicoKine ELISA Kit

CATALOG #
AAA46666

REACTIVITY
Human

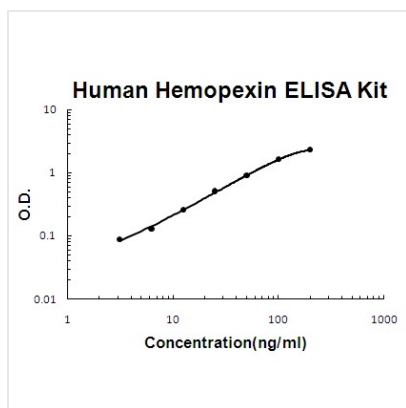
PRODUCT SYNONYMS

Hemopexin; Human Hemopexin PicoKine ELISA Kit; Beta 1B glycoprotein; Beta-1B-glycoprotein; HEMO; Hpx; HX; P02790; HPX elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human Hemopexin
Sequence Length	462
Samples	Cell culture supernates, serum and plasma(heparin, EDTA).
Assay Type	Sandwich
Detection Range	3.12ng/ml-200ng/ml
Sensitivity	<50pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice).

IMAGES



Standard Curve (Sample)

Human Hemopexin PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for HPX elisa kit

Principle of the Assay: Human Hemopexin ELISA Kit was based on standard sandwich enzyme-linked immunosorbent assay technology. A monoclonal antibody from mouse specific for Hemopexin has been precoated onto 96-well plates. Standards(Expression system for standard: NSO; Immunogen sequence: T24-H462) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Hemopexin is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human Hemopexin amount of sample captured in plate.

Background/Introduction: Hemopexin (or haemopexin; HPX), also known as beta-1B-glycoprotein, is a protein that in humans is encoded by the HPX gene and belongs to hemopexin family of proteins. Hemopexin binds heme with the highest affinity of any known protein. Its function is scavenging the heme released or lost by the turnover of heme proteins such as hemoglobin and thus protects the body from the oxidative damage that free heme can cause. In addition, hemopexin releases its bound ligand for internalisation upon interacting with a specific receptor situated on the surface of liver cells. This function of hemopexin is to preserve the body's iron.

NCBI AND UNIPROT INFORMATION

NCBI GI #	11321561
NCBI GeneID	3263
NCBI Accession #	NP_000604.1
NCBI GenBank Nucleotide #	NM_000613.2
UniProt Accession #	P02790 ; B2R957
Molecular Weight	51,676 Da
NCBI Official Full Name	hemopexin
NCBI Official Synonym Full Names	hemopexin
NCBI Official Symbol	HPX
NCBI Official Synonym Symbols	HX
NCBI Protein Information	hemopexin
UniProt Protein Name	Hemopexin
UniProt Gene Name	HPX
UniProt Entry Name	HEMO_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://www.aaabiotech.com/hpx-human-elisa-kits/hemopexin/46666>