

Human Hemopexin ELISA Kit | HPX elisa kit

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CATALOG #
AAA263049

REACTIVITY
Human

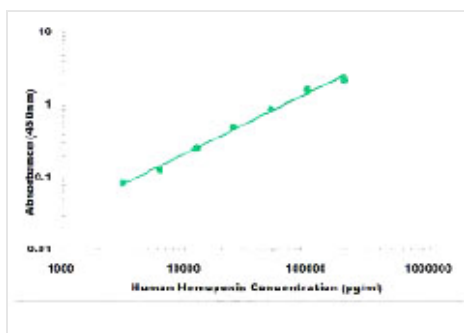
PRODUCT SYNONYMS

Hemopexin; Human Hemopexin ELISA Kit; Beta-1B-glycoprotein; HPX elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human Hemopexin ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human Hemopexin proteins within the range of 3120 pg/ml - 200000 pg/ml.
Sequence Length	462
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<50 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HPX elisa kit	Principle of the Assay: The Human Hemopexin ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human Hemopexin in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Human Hemopexin coated on a 96-well plate. Standards and samples are pipetted into the wells and Hemopexin present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human Hemopexin antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of Hemopexin bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background: 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.
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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.