

Human Ferroportin (FPN) ELISA Kit | FPN elisa kit

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CATALOG #
AAA182334

REACTIVITY
Human

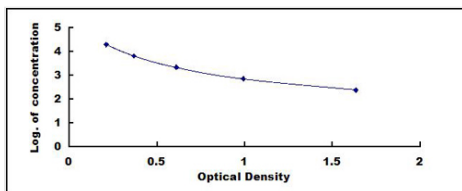
PRODUCT SYNONYMS

Ferroportin (FPN); Human Ferroportin (FPN) ELISA Kit; SLC40A1; FPN1; HFE4; IREG1; MTP1; SLC11A3; Solute Carrier Family 40; Member 1; Iron-Regulated Transporter; FPN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Ferroportin (FPN). No significant cross-reactivity or interference between Ferroportin (FPN) and analogues was observed.
Sequence Length	571
Assay Type	Competitive Inhibition
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	246.9-20000pg/mL
Sensitivity	< 91.4pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Ferroportin (FPN) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Ferroportin (FPN) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FPN elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Ferroportin (FPN) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Ferroportin (FPN) and unlabeled Ferroportin (FPN) (Standards or samples) with the pre-coated antibody specific to Ferroportin (FPN). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Ferroportin (FPN) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Ferroportin (FPN) in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7657100
NCBI GeneID	30061
NCBI Accession #	NP_055400.1
NCBI GenBank Nucleotide #	NM_014585.5
UniProt Accession #	Q9NP59; Q6FI62; Q7Z4F8; Q8IVB2; Q9NRL0
Molecular Weight	62,542 Da
NCBI Official Full Name	solute carrier family 40 member 1
NCBI Official Synonym Full Names	solute carrier family 40 member 1
NCBI Official Symbol	SLC40A1
NCBI Official Synonym Symbols	FPN1; HFE4; MTP1; IREG1; MST079; MSTP079; SLC11A3
NCBI Protein Information	solute carrier family 40 member 1
UniProt Protein Name	Solute carrier family 40 member 1
UniProt Gene Name	SLC40A1
UniProt Synonym Gene Names	FPN1; IREG1; SLC11A3

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.