

Chicken Ferroportin ELISA Kit | FPN elisa kit

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CATALOG #
AAA97383

REACTIVITY
Chicken

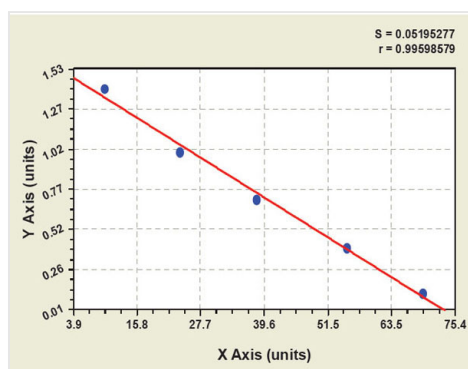
PRODUCT SYNONYMS

Ferroportin; Chicken Ferroportin ELISA Kit; FPN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FPN elisa kit

Principle of the assay: FPN ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-FPN antibody and an FPN-HRP conjugate. The assay sample and buffer are incubated together with FPN-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 FPN concentration since FPN from samples and FPN-HRP conjugate compete for the anti-FPN antibody binding site. Since the number of sites is limited, as more sites are occupied by FPN from the sample, fewer sites are left to bind FPN-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The FPN concentration in each sample is interpolated from this standard curve.

Product Categories/Family for FPN elisa kit

Microbiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	67633296
NCBI GeneID	30061
Molecular Weight	62,542 Da
NCBI Official Full Name	ferroportin 1 variant I, partial
NCBI Official Synonym Full Names	solute carrier family 40 (iron-regulated transporter), 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; iron regulated gene 1; putative ferroportin 1 variant IIIA; putative ferroportin 1 variant IIIB; solute carrier family 11 (proton-coupled divalent metal ion transporters), member 3
UniProt Protein Name	Solute carrier family 40 member 1
UniProt Gene Name	SLC40A1
UniProt Synonym Gene Names	FPN1; IREG1; SLC11A3; MSTP079
UniProt Entry Name	S40A1_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://stage.aaabiotech.com/fpn-chicken-elisa-kits/ferroportin/97383>