

Rat Solute carrier family 40 member 1 ELISA Kit | Slc40a1 elisa kit

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CATALOG #
AAA102402

REACTIVITY
Rat

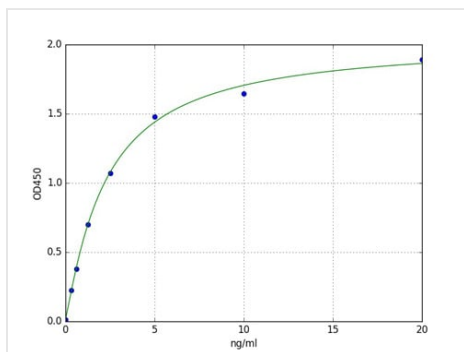
PRODUCT SYNONYMS

Solute carrier family 40 member 1; Rat Solute carrier family 40 member 1 ELISA Kit; Slc40a1/FPN1/HFE4/IREG1/MST079/MTP1/SLC11A3/SLC40A1/Ferroportin-1/FPN1IREG1ferroportin 1/HFE4ferroportin-1/Iron-regulated transporter 1/member 3/MST079/MTP1/putative ferroportin 1 variant IIIB/SLC11A3iron regulated gene 1/solute carrier family 11 (proton-coupled divalent metal ion transporters)/solute carrier family 40 (iron-regulated transporter); member 1/solute carrier family 40 member 1; Slc40a1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	571
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Rat Slc40a1 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.313	0.625	1.25	2.5	5	10	20
Y	OD450	0.026	0.085	0.241	0.194	0.490	0.983	1.321	1.924

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Slc40a1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat Slc40a1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat Slc40a1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were 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 Rat Slc40a1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat Slc40a1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7657100
NCBI GeneID	30061
NCBI Accession #	NP_055400.1
NCBI GenBank Nucleotide #	NM_014585.5
Molecular Weight	62,542 Da
NCBI Official Full Name	solute carrier family 40 member 1
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
UniProt Protein Name	Solute carrier family 40 member 1
UniProt Gene Name	SLC40A1
UniProt Synonym Gene Names	FPN1; IREG1; SLC11A3
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/slc40a1-rat-elisa-kits/solute-carrier-family-40-member-1/102402>