

Human Selenium Binding Protein 1 (SELENBP1) ELISA Kit | SELENBP1 elisa kit

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CATALOG #
AAA138069

REACTIVITY
Human

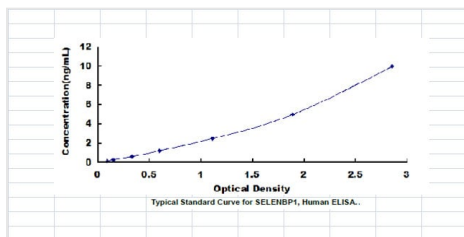
PRODUCT SYNONYMS

Selenium Binding Protein 1 (SELENBP1); Human Selenium Binding Protein 1 (SELENBP1) ELISA Kit; LPSB; SP56; hSBP; hSP56; SBP56; 56 kDa selenium-binding protein; SELENBP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of SELE. No significant cross-reactivity or interference between SELE and analogues was observed.
Sequence Length	514
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.054ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SELE were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level SELE were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 SELENBP1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of SELE in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to SELE. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to SELE. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain SELE, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of SELE in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for SELENBP1 elisa kit	Metabolic pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	14290607
NCBI GeneID	8991
UniProt Accession #	Q13228; Q49AQ8; Q96GX7; A6NML9; A6PVW9; B2RDR3; B4DKP6; B4E1F3
Molecular Weight	56,866 Da
NCBI Official Full Name	Selenium binding protein 1
NCBI Official Synonym Full Names	selenium binding protein 1
NCBI Official Symbol	SELENBP1
NCBI Official Synonym Symbols	LPSB; SP56; hSBP; SBP56; HEL-S-134P
NCBI Protein Information	selenium-binding protein 1
UniProt Protein Name	Selenium-binding protein 1
UniProt Gene Name	SELENBP1
UniProt Synonym Gene Names	SBP; SBP56; SP56
UniProt Entry Name	SBP1_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/human-elisa-kits/selenium-binding-protein-1-selenbp1/138069>