

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

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CATALOG #
AAA187050

REACTIVITY
Human

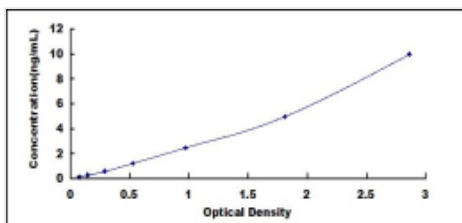
PRODUCT SYNONYMS

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 Selenium Binding Protein 1 (SELENBP1). No significant cross-reactivity or interference between Selenium Binding Protein 1 (SELENBP1) 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	< 0.055ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Selenium Binding Protein 1 (SELENBP1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Selenium Binding Protein 1 (SELENBP1) 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 SELENBP1 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Selenium Binding Protein 1 (SELENBP1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Selenium Binding Protein 1 (SELENBP1). 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 Selenium Binding Protein 1 (SELENBP1), 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 Selenium Binding Protein 1 (SELENBP1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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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

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-selenbp1/187050>