

Human Protein S100-A1 ELISA Kit | S100A1/S100 elisa kit

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CATALOG #
AAA102560

REACTIVITY
Human

PRODUCT SYNONYMS

Protein S100-A1; Human Protein S100-A1 ELISA Kit; S100A1/S100A/S100 calcium-binding protein A1/protein S100-A1/S100 alpha/S100 calcium-binding protein A1S100/S-100 protein alpha chain/S-100 protein subunit alpha/S100 protein; alpha polypeptide/S100-alpha; S100A1/S100 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of RUVBL1. No significant cross-reactivity or interference between RUVBL1 and analogues was observed.
Sequence Length	94
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level RUVBL1 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level RUVBL1 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
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

Typical Data & Standard Curve

Results of a typical standard operation of a S100A1/S100 ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A/not applicable)

X	ng/ml	0	0.156	0.312	0.625	1.25	2.5	5	10
Y	OD450	0.112	0.131	0.145	0.201	0.308	0.62	1.355	2.652

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for S100A1/S100 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-RUVBL1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-RUVBL1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed 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 RUVBL1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of RUVBL1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5454032
NCBI GeneID	6271
NCBI Accession #	NP_006262.1
NCBI GenBank Nucleotide #	NM_006271.1
Molecular Weight	10,546 Da
NCBI Official Full Name	protein S100-A1
NCBI Official Synonym Full Names	S100 calcium binding protein A1
NCBI Official Symbol	S100A1
NCBI Official Synonym Symbols	S100; S100A; S100-alpha
NCBI Protein Information	protein S100-A1
UniProt Protein Name	Protein S100-A1
UniProt Gene Name	S100A1
UniProt Synonym Gene Names	S100A
UniProt Entry Name	S10A1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/s100a1-s100-human-elisa-kits/protein-s100-a1/102560>