

Human Protein S100-A7 ELISA Kit | S100A7 elisa kit

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CATALOG #
AAA101179

REACTIVITY
Human

PRODUCT SYNONYMS

Protein S100-A7; Human Protein S100-A7 ELISA Kit; S100A7/S100 Calcium Binding Protein A7/Protein S100-A7/Psoriasin/PSOR1/S100A7C/HID 5/HID5/HID-5/psoriasin 1; S100A7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of S100A7. No significant cross-reactivity or interference between S100A7 and analogues was observed.
Sequence Length	101
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 S100A7 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 S100A7 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 S100A7 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	0.084	0.119	0.157	0.236	0.437	0.675	1.334	2.444

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for S100A7 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-S100A7 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-S100A7 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 S100A7 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of S100A7 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	115298657
NCBI GeneID	6278
NCBI Accession #	NP_002954.2
NCBI GenBank Nucleotide #	NM_002963.3
Molecular Weight	11,471 Da
NCBI Official Full Name	protein S100-A7
NCBI Official Synonym Full Names	S100 calcium binding protein A7
NCBI Official Symbol	S100A7
NCBI Official Synonym Symbols	PSOR1; S100A7c
NCBI Protein Information	protein S100-A7
UniProt Protein Name	Protein S100-A7
UniProt Gene Name	S100A7
UniProt Synonym Gene Names	PSOR1; S100A7C
UniProt Entry Name	S10A7_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/s100a7-human-elisa-kits/protein-s100-a7/101179>