

Human S100 Calcium Binding Protein A7 (S100A7) ELISA Kit | S100A7 elisa kit

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CATALOG #
AAA23024

REACTIVITY
Human

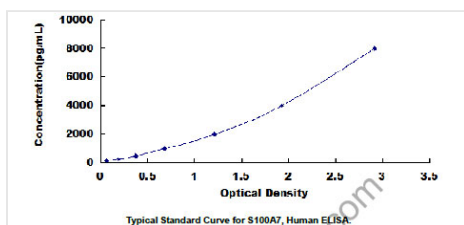
PRODUCT SYNONYMS

S100 Calcium Binding Protein A7 (S100A7); Human S100 Calcium Binding Protein A7 (S100A7) ELISA Kit; S100-A7; PSOR1; S100A7c; Psoriasin 1; S100A7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity for detection of S100A4. 100% cross-reactivity of S100A4 was observed among human, mouse and rat samples.
Sequence Length	101
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates And Other Biological Fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.058ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level S100A4 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 S100A4 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 S100A7 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of S100A4 in serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Due to the high homology of the sequence among different species, the kit can be used to detect human, mouse and rat samples. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to S100A4. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to S100A4. 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 S100A4, 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 S100A4 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 #	21961601
NCBI GeneID	6278
UniProt Accession #	P31151; Q5SY67; Q6FGE3; Q9H1E2
Molecular Weight	11,471 Da
NCBI Official Full Name	S100 calcium binding protein 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

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/s100-calcium-binding-protein-a7-s100a7/23024>