

Human S100 Calcium Binding Protein A10 (S100A10) ELISA Kit | S100A10 elisa kit

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CATALOG #
AAA20521

REACTIVITY
Human

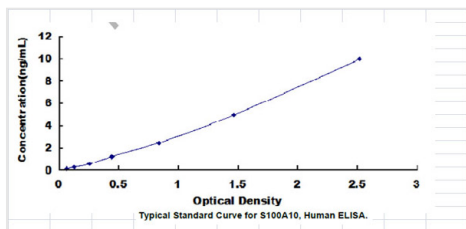
PRODUCT SYNONYMS

S100 Calcium Binding Protein A10 (S100A10); Human S100 Calcium Binding Protein A10 (S100A10) ELISA Kit; ANX2L; ANX2LG; CAL1L; CLP11; GP11; P11; P10; Calpactin-1 light chain; Cellular ligand of annexin II; Annexin II Ligand; Calpactin I; Light Polypeptide; S100A10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of S100A10. No significant cross-reactivity or interference between S100A10 and analogues was observed.
Sequence Length	97
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.057ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level S100A10 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 S100A10 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 S100A10 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of S100A10 in human 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 S100A10. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to S100A10. 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 S100A10, 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 S100A10 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for S100A10 elisa kit	Signal transduction; Tumor immunity; Neuroscience
References	Decreased S100B serum levels after treatment in bipolar patients in a manic phase; Compr Psychiatry; 2017 Apr;74:27-34.; PMID: 28088747; Meng-Chang Tsai; Department of Psychiatry, Kaohsiung Chang Gung Memorial Hospital and Chang Gung University College of Medicine, Kaohsiung, Taiwan.

NCBI AND UNIPROT INFORMATION

NCBI GI #	76779210
NCBI GeneID	6281
UniProt Accession #	P60903; P08206; Q5T1C5; A8K4V8
Molecular Weight	11,203 Da
NCBI Official Full Name	S100 calcium binding protein A10
NCBI Official Synonym Full Names	S100 calcium binding protein A10
NCBI Official Symbol	S100A10
NCBI Official Synonym Symbols	42C; P11; p10; GP11; ANX2L; CAL1L; CLP11; Ca[1]; ANX2LG
NCBI Protein Information	protein S100-A10
UniProt Protein Name	Protein S100-A10
UniProt Gene Name	S100A10
UniProt Synonym Gene Names	ANX2LG; CAL1L; CLP11
UniProt Entry Name	S10AA_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/human-elisa-kits/s100-calcium-binding-protein-a10-s100a10/20521>