

Human S100 Calcium Binding Protein A14 (S100A14) ELISA Kit | S100A14 elisa kit

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CATALOG #
AAA65107

REACTIVITY
Human

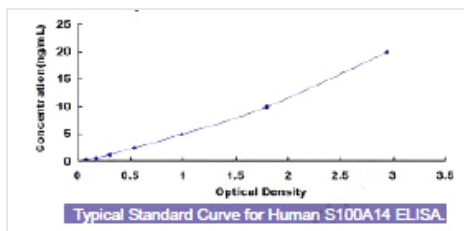
PRODUCT SYNONYMS

S100 Calcium Binding Protein A14 (S100A14); Human S100 Calcium Binding Protein A14 (S100A14) ELISA Kit; S100-A14; S100-A15; S100A15; BCMP84; S114; S100A14 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of S100A14. No significant cross-reactivity or interference between S100A14 and analogues was observed.
Sequence Length	104
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.102ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level S100A14 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 S100A14 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for S100A14 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of S100A14 in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to S100A14. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to S100A14. 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 S100A14, 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 S100A14 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 #	10190712
NCBI GeneID	57402
NCBI Accession #	NP_065723.1
NCBI GenBank Nucleotide #	NM_020672.2
UniProt Accession #	Q9HCY8; Q5RHT0
Molecular Weight	11,662 Da
NCBI Official Full Name	protein S100-A14
NCBI Official Synonym Full Names	S100 calcium binding protein A14
NCBI Official Symbol	S100A14
NCBI Official Synonym Symbols	BCMP84; S100A15
NCBI Protein Information	protein S100-A14
UniProt Protein Name	Protein S100-A14
UniProt Gene Name	S100A14
UniProt Synonym Gene Names	S100A15; S114

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://www.aaabiotech.com/human-elisa-kits/s100-calcium-binding-protein-a14-s100a14/65107>