

Human S100 Calcium Binding Protein A2 ELISA Kit | S100A2 elisa kit

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CATALOG #
AAA247225

REACTIVITY
Human

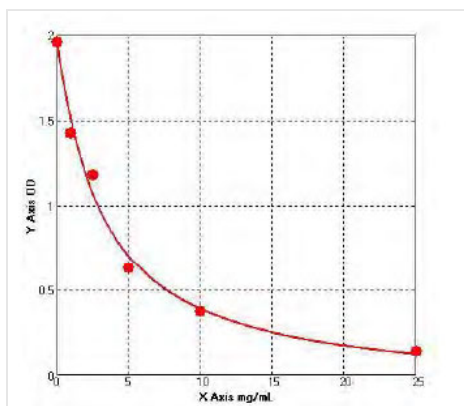
PRODUCT SYNONYMS

S100 Calcium Binding Protein A2; Human S100 Calcium Binding Protein A2 ELISA Kit; S100A2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of S100A2. No significant cross-reactivity or interference between S100A2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between S100A2 and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	98
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/ml

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for S100A2 elisa kit	Intended Uses: This S100A2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human S100A2. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: S100A2 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-S100A2 antibody and an S100A2-HRP conjugate. The assay sample and buffer are incubated together with S100A2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the S100A2 concentration since S100A2 from samples and S100A2-HRP conjugate compete for the anti-S100A2 antibody binding site. Since the number of sites is limited, as more sites are occupied by S100A2 from the sample, fewer sites are left to bind S100A2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The S100A2 concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119573690
NCBI GeneID	6273
Molecular Weight	11,117 Da
NCBI Official Full Name	S100 calcium binding protein A2
NCBI Official Synonym Full Names	S100 calcium binding protein A2
NCBI Official Symbol	S100A2
NCBI Official Synonym Symbols	CAN19; S100L
NCBI Protein Information	protein S100-A2
UniProt Protein Name	Protein S100-A2
UniProt Gene Name	S100A2
UniProt Synonym Gene Names	S100L

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-a2/247225>