

Human S100 calcium binding protein A2 ELISA Kit | S100A2 elisa kit

Human Protein S100-A2, S100A2 ELISA Kit

CATALOG #
AAA112926

REACTIVITY
Human

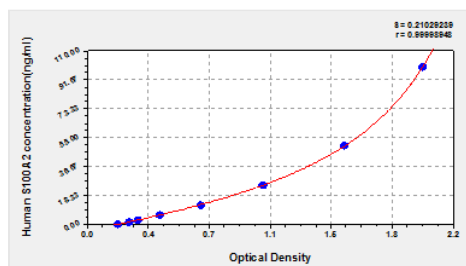
PRODUCT SYNONYMS

S100 calcium binding protein A2; Human Protein S100-A2; S100A2 ELISA Kit; Human Protein S100-A2 (S100A2) ELISA kit; RP11-49N14.8; CAN19; MGC111539; S100L; OTTHUMP00000032968; OTTHUMP00000032969; S100 calcium-binding protein A2; S100A2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human S100A2. No significant cross-reactivity or interference between human S100A2 and analogues was observed.
Sequence Length	98
Samples	Serum, plasma, tissue homogenates, cell lysates.
Assay Type	Sandwich
Detection Range	1.56 ng/ml -100 ng/ml.
Sensitivity	The minimum detectable dose of human S100A2 is typically less than 0.39 ng/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for S100A2 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for S100A2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any S100A2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for S100A2 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of S100A2 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5174661
NCBI GeneID	6273
NCBI Accession #	NP_005969.1
NCBI GenBank Nucleotide #	NM_005978.3
UniProt Accession #	P29034; O00266; Q3KRB9; Q5RHS8; Q9BU83
Molecular Weight	11,117 Da
NCBI Official Full Name	protein S100-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; S100 calcium-binding protein A2
UniProt Protein Name	Protein S100-A2
UniProt Gene Name	S100A2
UniProt Synonym Gene Names	S100L
UniProt Entry Name	S10A2_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/s100a2-human-elisa-kits/s100-calcium-binding-protein-a2/112926>