

Human S100B ELISA Kit | S100B elisa kit

Human S100B (S100 Calcium Binding Protein B) ELISA Kit

CATALOG #
AAA21506

REACTIVITY
Human

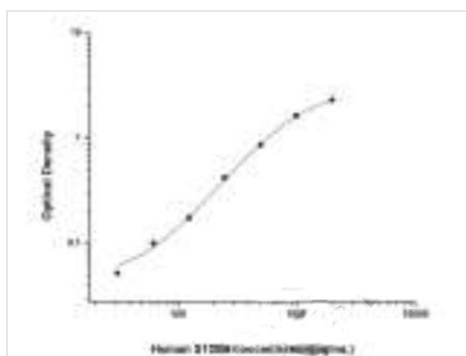
PRODUCT SYNONYMS

S100B; Human S100B (S100 Calcium Binding Protein B) ELISA Kit; S100B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes Human S100B in samples. No significant cross-reactivity or interference between Human S100B and analogues was observed
Sequence Length	92
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	31.25-2000 pg/mL
Sensitivity	18.75 pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Human S100B were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Human S100B were tested on 3 different plates, 20 replicates in each plate, respectively.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for S100B elisa kit	Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human S100B. Samples (or Standards) are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Human S100B and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human S100B, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 ± 2 nm. The OD value is proportional to the concentration of Human S100B. You can calculate the concentration of Human S100B in the samples by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Human S100B concentrations in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	49457242
NCBI GeneID	6285
UniProt Accession #	P04271; D3DSN6
Molecular Weight	10,713 Da
NCBI Official Full Name	S100B
NCBI Official Synonym Full Names	S100 calcium binding protein B
NCBI Official Symbol	S100B
NCBI Official Synonym Symbols	NEF; S100; S100-B; S100beta
NCBI Protein Information	protein S100-B; S-100 calcium-binding protein, beta chain; S-100 protein subunit beta; S100 calcium-binding protein, beta (neural)
UniProt Protein Name	Protein S100-B
UniProt Gene Name	S100B
UniProt Entry Name	S100B_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://www.aaabiotech.com/human-elisa-kits/s100b/21506>