

Human S100 Calcium Binding Protein B ELISA Kit | S100B elisa kit

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CATALOG #
AAA15974

REACTIVITY
Human

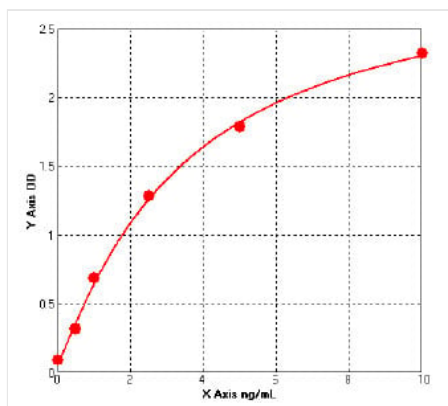
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of S100B. No significant cross-reactivity or interference between S100B and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between S100B and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive or Sandwich
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for S100B elisa kit	Intended Uses: This S100B ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human S100B. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: S100B ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for S100B. Standards or samples are then added to the microtiter plate wells and S100B if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of S100B present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for S100B are added to each well to "sandwich" the S100B immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain S100B and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The S100B concentration in each sample is interpolated from this standard curve.
Product Categories/Family for S100B elisa kit	Signal Transduction

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 protein subunit beta; S-100 calcium-binding protein, beta chain; 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://stage.aaabiotech.com/s100b-human-elisa-kits/s100-calcium-binding-protein-b/15974>