

Mouse Soluble protein-100B ELISA Kit | S-100B elisa kit

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CATALOG #
AAA87191

REACTIVITY
Mouse

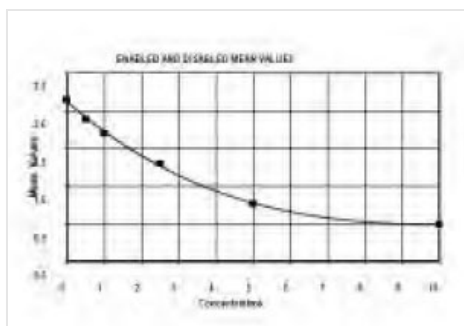
PRODUCT SYNONYMS

Soluble protein-100B; Mouse Soluble protein-100B ELISA Kit; Soluble protein-100B (Mouse); S-100B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Cell culture fluid, body fluid, tissue homogenate, serum and blood plasma
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for S-100B elisa kit

For Samples: Cell culture fluid, body fluid, tissue homogenate, serum and blood plasma

Intended Uses: This S-100B ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of S-100B in the sample, this S-100B ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus S-100B concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Principle of the Assay: The coated well immunoenzymatic assay for the quantitative measurement of S-100B utilizes a monoclonal anti-S-100B antibody and an S-100B-HRP conjugate. The assay sample and buffer are incubated together with S-100B-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 S-100B concentration since S-100B from samples and S-100B-HRP conjugate compete for the anti-S-100B antibody binding site. Since the number of sites is limited, as more sites are occupied by S-100B from the sample, fewer sites are left to bind S-100B-HRP conjugate. Standards of known S-100B concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (Optical Density) to the concentration of S-100B. The S-100B concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119629675
NCBI GeneID	6285
UniProt Accession #	P04271; D3DSN6
Molecular Weight	10,713 Da
NCBI Official Full Name	S100 calcium binding protein, beta (neural), isoform CRA_a
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; OTTHUMP00000115888; 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/s-100b-mouse-elisa-kits/soluble-protein-100b/87191>