

Human S100 Calcium Binding Protein B (S100B) CLIA Kit | S100B clia kit

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CATALOG #
AAA130593

REACTIVITY
Human

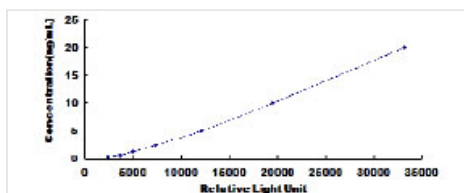
PRODUCT SYNONYMS

S100 Calcium Binding Protein B (S100B); Human S100 Calcium Binding Protein B (S100B) CLIA Kit; S100-B; NEF; S100Beta; S-100 protein subunit beta; S100B clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of S100 Calcium Binding Protein B (S100B). No significant cross-reactivity or interference between S100 Calcium Binding Protein B (S100B) and analogues was observed.
Sequence Length	92
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	13.7-10,000pg/mL
Sensitivity	5.1pg/mL
Application	Chemiluminescent immunoassay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level S100 Calcium Binding Protein B (S100B) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level S100 Calcium Binding Protein B (S100B) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for S100B clia kit	The microplate provided in this kit has been pre-coated with an antibody specific to S100 Calcium Binding Protein B (S100B). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to S100 Calcium Binding Protein B (S100B). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the S100 Calcium Binding Protein B (S100B) level in the sample or standard.;
Product Categories/Family for S100B clia kit	Tumor immunity ; Infection immunity ; Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	12804681
NCBI GeneID	6285
UniProt Accession #	P04271; D3DSN6
Molecular Weight	10,713 Da
NCBI Official Full Name	S100 calcium binding protein B
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
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/human-clia-kits/s100-calcium-binding-protein-b-s100b/130593>