

Human S100 Calcium Binding Protein B (S-100B) ELISA Kit | S-100B elisa kit

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CATALOG #
AAA330960

REACTIVITY
Human

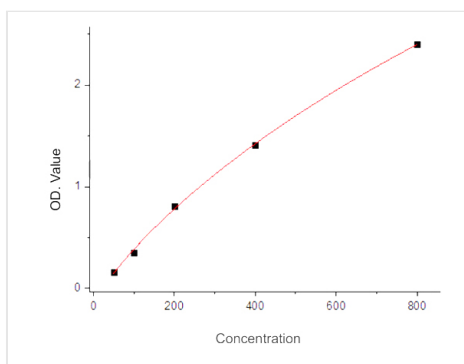
PRODUCT SYNONYMS

S100 Calcium Binding Protein B (S-100B); Human S100 Calcium Binding Protein B (S-100B) ELISA Kit; S-100B; NEF; S100; S100beta; OTTHUMP00000174958; S-100 calcium-binding protein; beta chain; S100 beta; S100 calcium binding protein; beta (neural); S100 calcium-binding protein; beta; S100 calcium-binding protei; S-100B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human S100 Calcium Binding Protein B (S-100B) ELISA Kit has high sensitivity and excellent specificity for detection of Human S-100B. No significant cross-reactivity or interference between Human S-100B and analogues was observed.
Sequence Length	92
Assay Type	Sandwich
Samples	Human serum, cell culture supernates and other biological fluids
Detection Range	50 ng/L - 800 ng/L
Sensitivity	< 5.0 ng/L
Intra-assay Precision	Four samples of known concentration were tested twenty times on one plate to assess intra-assay precision. The CV (%)?9%.
Inter-assay Precision	Three samples of known concentration were tested in twenty separate assays to assess inter-assay precision. Assays were performed by at least three technicians using two lots of components. The CV (%)?11%.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for S-100B elisa kit	Background: S100 calcium-binding protein B (S100B) is a protein of the S-100 protein family. S100B is glial-specific and is expressed primarily by astrocytes, but not all astrocytes express S100B. This protein may function in neurite extension, proliferation of melanoma cells, stimulation of Ca2+ fluxes, inhibition of PKC-mediated phosphorylation, astrocytosis and axonal proliferation, and inhibition of microtubule assembly. In the developing CNS it acts as a neurotrophic factor and neuronal survival protein. Principle of the Assay: Human S100 Calcium Binding Protein B (S-100B) ELISA Kit employs a two-site sandwich ELISA to quantitate S-100B in samples. An antibody specific for S-100B has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any S-100B present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human S-100B detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of S-100B 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 #	12804681
NCBI GeneID	6285
UniProt Accession #	P04271
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.