

Mouse Sp100 Nuclear Antigen ELISA Kit | Sp100 elisa kit

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CATALOG #
AAA86018

REACTIVITY
Mouse

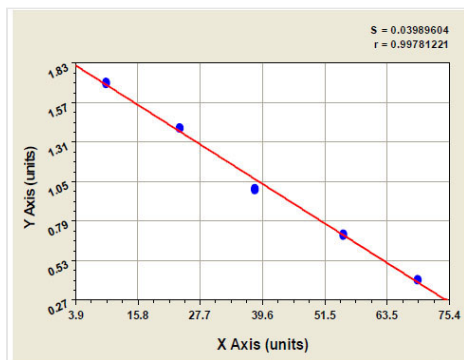
PRODUCT SYNONYMS

Sp100 Nuclear Antigen; Mouse Sp100 Nuclear Antigen ELISA Kit; Sp100 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This Sp100 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse Sp100. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Sp100 elisa kit

Principle of the assay: Sp100 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-Sp100 antibody and an Sp100-HRP conjugate. The assay sample and buffer are incubated together with Sp100-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 Sp100 concentration since Sp100 from samples and Sp100-HRP conjugate compete for the anti-Sp100 antibody binding site. Since the number of sites is limited, as more sites are occupied by Sp100 from the sample, fewer sites are left to bind Sp100-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Sp100 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1255929
NCBI GeneID	6672
UniProt Accession #	P23497; O75450; Q13343; Q8TE34; Q96F70; Q96T24; Q96T95; B4DDX5; B8ZZD8; E7EUA7; E9PH61; F8WFE2
Molecular Weight	50,032 Da
NCBI Official Full Name	Sp100, partial
NCBI Official Synonym Full Names	SP100 nuclear antigen
NCBI Official Symbol	SP100
NCBI Official Synonym Symbols	lysp100b
NCBI Protein Information	nuclear autoantigen Sp-100; speckled 100 kDa; SP100-HMG nuclear autoantigen; nuclear dot-associated Sp100 protein
UniProt Protein Name	Nuclear autoantigen Sp-100
UniProt Gene Name	SP100
UniProt Entry Name	SP100_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.