

Human Spastin (SPAST) ELISA Kit | SPAST elisa kit

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CATALOG #
AAA245689

REACTIVITY
Human

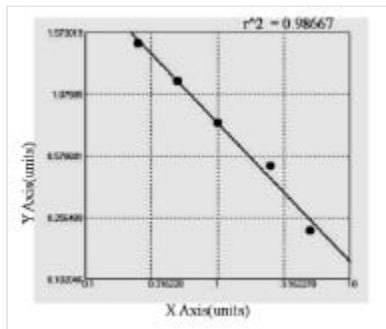
PRODUCT SYNONYMS

Spastin (SPAST); Human Spastin (SPAST) ELISA Kit; SPAST elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	250-5000pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SPAST elisa kit

Intended Uses: This SPAST ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human SPAST. This ELISA kit for research use only!

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	40806170
NCBI GeneID	6683
NCBI Accession #	NP_955468.1
NCBI GenBank Nucleotide #	NM_199436.1
Molecular Weight	54,418 Da
NCBI Official Full Name	spastin isoform 2
NCBI Official Synonym Full Names	spastin
NCBI Official Symbol	SPAST
NCBI Official Synonym Symbols	FSP2; SPG4; ADPSP
NCBI Protein Information	spastin; spastic paraplegia 4 protein; spastic paraplegia 4 (autosomal dominant; spastin)
UniProt Protein Name	Spastin
UniProt Gene Name	SPAST
UniProt Synonym Gene Names	ADPSP; FSP2; KIAA1083; SPG4
UniProt Entry Name	SPAST_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.