

Human Neuroserpin (SERPINI1) ELISA Kit | SERPINI1 elisa kit

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CATALOG #
AAA330898

REACTIVITY
Human

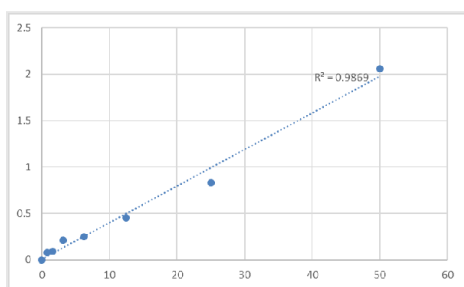
PRODUCT SYNONYMS

Neuroserpin (SERPINI1); Human Neuroserpin (SERPINI1) ELISA Kit; DKFZp781N13156; PI12; neuroserpin; serine (or cysteine) proteinase inhibitor; clade I (neuroserpin); member 1; SERPINI1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Neuroserpin (SERPINI1) ELISA Kit has high sensitivity and excellent specificity for detection of Human SERPINI1. No significant cross-reactivity or interference between Human SERPINI1 and analogues was observed.
Sequence Length	410
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Neuroserpin (SERPINI1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SERPINI1 elisa kit	Description: This Human Neuroserpin (SERPINI1) ELISA Kit employs a two-site sandwich ELISA to quantitate SERPINI1 in samples. An antibody specific for SERPINI1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SERPINI1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SERPINI1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SERPINI1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Serine protease inhibitors of the serpin superfamily are involved in many cellular processes. Neuroserpin was first identified as a protein secreted from the axons of dorsal root ganglion neurons. It is a member of the serpin superfamily of serine proteinase inhibitors. Neuroserpin is primarily secreted by axons in the brain, and preferentially reacts with and inhibits tissue-type plasminogen activator. It is thought to play a role in the regulation of axonal growth and the development of synaptic plasticity. Mutations in this gene result in familial encephalopathy with neuroserpin inclusion bodies (FENIB), which is a dominantly inherited form of familial encephalopathy and epilepsy characterized by the accumulation of mutant neuroserpin polymers. Multiple alternatively spliced variants, encoding the same protein, have been identified.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	170295807
NCBI GeneID	5274
NCBI Accession #	NP_001116224.1
NCBI GenBank Nucleotide #	NP_001116224.1
UniProt Accession #	Q99574
NCBI Official Full Name	neuroserpin
NCBI Official Synonym Full Names	serpin family I member 1
NCBI Official Symbol	SERPINI1
NCBI Official Synonym Symbols	PI12; neuroserpin
NCBI Protein Information	neuroserpin
UniProt Protein Name	Neuroserpin
UniProt Gene Name	SERPINI1
UniProt Synonym Gene Names	PI12; PI-12
UniProt Entry Name	NEUS_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.