

Human Neurotrypsin (PRSS12) ELISA Kit | PRSS12 elisa kit

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CATALOG #
AAA331293

REACTIVITY
Human

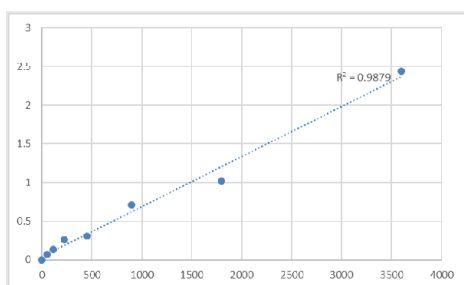
PRODUCT SYNONYMS

Neurotrypsin (PRSS12); Human Neurotrypsin (PRSS12) ELISA Kit; BSSP-3; BSSP3; MGC12722; MRT1; brain-specific serine protease 3; leydin; motopsin; neurotrypsin; PRSS12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Neurotrypsin (PRSS12) ELISA Kit has high sensitivity and excellent specificity for detection of Human PRSS12. No significant cross-reactivity or interference between Human PRSS12 and analogues was observed.
Sequence Length	505
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 Neurotrypsin (PRSS12) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PRSS12 elisa kit	Description: This Human Neurotrypsin (PRSS12) ELISA Kit employs a two-site sandwich ELISA to quantitate PRSS12 in samples. An antibody specific for PRSS12 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PRSS12 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRSS12 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 PRSS12 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Serine proteases (or serine endopeptidases) are enzymes that cleave peptide bonds in proteins, in which serine serves as the nucleophilic amino acid at the (enzyme's) active site. They are found ubiquitously in both eukaryotes and prokaryotes. Serine proteases fall into two broad categories based on their structure: chymotrypsin-like (trypsin-like) or subtilisin-like. In humans, they are responsible for co-ordinating various physiological functions, including digestion, immune response, blood coagulation and reproduction. PRSS12 is a member of the trypsin family of serine proteases. Plays a role in neuronal plasticity and the proteolytic action may subserve structural reorganizations associated with learning and memory operations.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	14043559
NCBI GeneID	8492
UniProt Accession #	P56730
NCBI Official Full Name	PRSS12 protein
NCBI Official Synonym Full Names	serine protease 12
NCBI Official Symbol	PRSS12
NCBI Official Synonym Symbols	MRT1; BSSP3; BSSP-3
NCBI Protein Information	neurotrypsin
UniProt Protein Name	Neurotrypsin
UniProt Gene Name	PRSS12
UniProt Entry Name	NETR_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.