

Human Enteropeptidase (PRSS7) ELISA Kit | PRSS7 elisa kit

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CATALOG #
AAA331283

REACTIVITY
Human

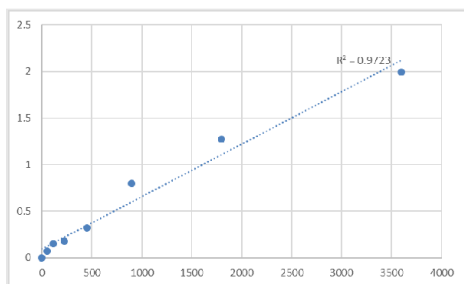
PRODUCT SYNONYMS

Enteropeptidase (PRSS7); Human Enteropeptidase (PRSS7) ELISA Kit; PRSS7; ENTK; MGC133046; enterokinase; enteropeptidase; PRSS7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Enteropeptidase (PRSS7) ELISA Kit has high sensitivity and excellent specificity for detection of Human PRSS7. No significant cross-reactivity or interference between Human PRSS7 and analogues was observed.
Sequence Length	1019
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 Enteropeptidase (PRSS7) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PRSS7 elisa kit	Description: This Human Enteropeptidase (PRSS7) ELISA Kit employs a two-site sandwich ELISA to quantitate PRSS7 in samples. An antibody specific for PRSS7 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PRSS7 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRSS7 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 PRSS7 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Enteropeptidase is an enzyme involved in human digestion. It is produced by cells in the duodenum wall, and is secreted from duodenum's glands, the crypts of Lieberkühn, whenever ingested food enters the duodenum from the stomach. Enteropeptidase has the critical job of turning trypsinogen (a zymogen) to trypsin, indirectly activating a number of pancreatic digestive enzymes. Enteropeptidase is a serine protease enzyme (EC 3.4.21.9) which converts inactive trypsinogen into active trypsin by cleavage at the C-terminal end of the sequence. It consists of a disulfide-linked 82-140 kDa heavy chain which anchors enterokinase in the intestinal brush border membrane and a 35-62 kDa light chain which is the catalytic subunit.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	223942069
NCBI GeneID	5651
NCBI Accession #	NP_002763.2
NCBI GenBank Nucleotide #	NP_002763.2
UniProt Accession #	P98073
NCBI Official Full Name	enteropeptidase
NCBI Official Synonym Full Names	transmembrane serine protease 15
NCBI Official Symbol	TMPRSS15
NCBI Official Synonym Symbols	ENTK; PRSS7
NCBI Protein Information	enteropeptidase
UniProt Protein Name	Enteropeptidase
UniProt Gene Name	TMPRSS15
UniProt Synonym Gene Names	ENTK; PRSS7
UniProt Entry Name	ENTK_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.