

Human Trypsin-2 (PRSS2) ELISA Kit | TRY2 elisa kit

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CATALOG #
AAA331291

REACTIVITY
Human

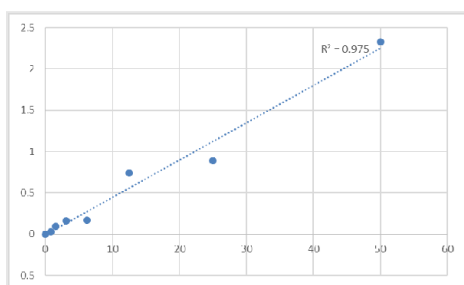
PRODUCT SYNONYMS

Trypsin-2 (PRSS2); Human Trypsin-2 (PRSS2) ELISA Kit; PRSS2; MGC111183; MGC120174; TRY8; TRYP2; anionic trypsinogen; protease serine 2 preproprotein; protease; serine; 2; preproprotein; trypsin 2; trypsin; trypsinogen 2; TRY2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Trypsin-2 (PRSS2) ELISA Kit has high sensitivity and excellent specificity for detection of Human PRSS2. No significant cross-reactivity or interference between Human PRSS2 and analogues was observed.
Sequence Length	65
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 Trypsin-2 (PRSS2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TRY2 elisa kit	Description: This Human Trypsin-2 (PRSS2) ELISA Kit employs a two-site sandwich ELISA to quantitate PRSS2 in samples. An antibody specific for PRSS2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PRSS2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRSS2 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 PRSS2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: In the ileum, PRSS2 may be involved in defensin processing, including DEFA5. PRSS2 is a member of the trypsin family of serine proteases. This enzyme is secreted by the pancreas and cleaved to its active form in the small intestine. It is active on peptide linkages involving the carboxyl group of lysine or arginine. This gene and several other trypsinogen genes are localized to the T cell receptor beta locus on chromosome 7. Trypsin is a serine protease found in the digestive system of many vertebrates, where it hydrolyses proteins.Rowen et al. (1996) mapped the gene corresponding to the third pancreatic trypsinogen cDNA by fluorescence in situ hybridization. They used a cosmid clone containing 3 trypsinogen genes. Strong hybridization to chromosome 7 and weaker hybridization to chromosome 9 were observed. They isolated and partially sequenced 4 cosmid clones from the chromosome 9 region. They found that the region represents a duplication and translocation of a DNA segment from the 3-prime end of the TCRB locus that includes at least 7 V(beta) elements and a functional trypsinogen gene denoted T9.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119572308
NCBI GeneID	5645
UniProt Accession #	P07478
NCBI Official Full Name	protease, serine, 2 (trypsin 2), isoform CRA_b
NCBI Official Synonym Full Names	serine protease 2
NCBI Official Symbol	PRSS2
NCBI Official Synonym Symbols	TRY2; TRY8; TRYP2
NCBI Protein Information	trypsin-2
UniProt Protein Name	Trypsin-2
UniProt Gene Name	PRSS2
UniProt Synonym Gene Names	TRY2; TRYP2
UniProt Entry Name	TRY2_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.