

Human Protease, Serine 1 (PRSS1) ELISA Kit | PRSS1 elisa kit

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CATALOG #
AAA331294

REACTIVITY
Human

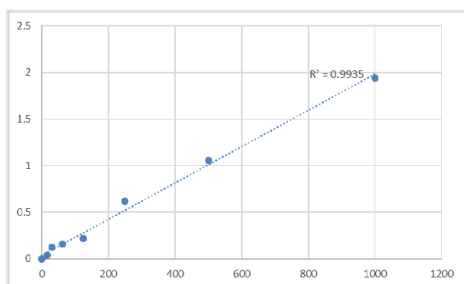
PRODUCT SYNONYMS

Protease; Serine 1 (PRSS1); Human Protease; Serine 1 (PRSS1) ELISA Kit; PRSS1; MGC120175; MGC149362; TRP1; TRY1; TRY4; TRYP1; cationic trypsinogen; digestive zymogen; nonfunctional trypsin 1; protease; serine; 1; serine protease 1; trypsin I; trypsinogen 1; trypsinogen A; PRSS1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Protease, Serine 1 (PRSS1) ELISA Kit has high sensitivity and excellent specificity for detection of Human PRSS1. No significant cross-reactivity or interference between Human PRSS1 and analogues was observed.
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 Protease, Serine 1 (PRSS1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PRSS1 elisa kit	Description: This Human Protease, Serine 1 (PRSS1) ELISA Kit employs a two-site sandwich ELISA to quantitate PRSS1 in samples. An antibody specific for PRSS1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PRSS1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRSS1 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 PRSS1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Trypsin-1 is a trypsinogen, which 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. Mutations in this gene are associated with hereditary pancreatitis. This gene and several other trypsinogen genes are localized to the T cell receptor beta locus on chromosome 7. Normally, cationic trypsinogen represents approximately two-thirds of total trypsinogen, while anionic trypsinogen makes up approximately one-third. Mesotrypsinogen is a minor species, accounting for less than 5% of trypsinogens or 0.5% of pancreatic juice proteins.
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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.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/tease-serine-1-prss1/331294>