

Human Procathepsin L ELISA Kit | LOC100135965 elisa kit

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CATALOG #
AAA27400

REACTIVITY
Human

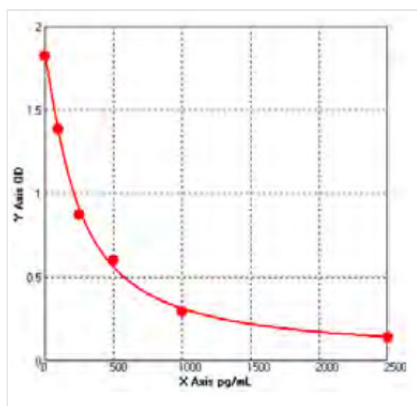
PRODUCT SYNONYMS

Procathepsin L; Human Procathepsin L ELISA Kit; LOC100135965 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PCTSL. No significant cross-reactivity or interference between PCTSL and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PCTSL and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	338
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LOC100135965 elisa kit	Principle of the Assay: PCTSL ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PCTSL antibody and an PCTSL-HRP conjugate. The assay sample and buffer are incubated together with PCTSL-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PCTSL concentration since PCTSL from samples and PCTSL-HRP conjugate compete for the anti-PCTSL antibody binding site. Since the number of sites is limited, as more sites are occupied by PCTSL from the sample, fewer sites are left to bind PCTSL-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PCTSL concentration in each sample is interpolated from this standard curve. Intended Uses: This PCTSL ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PCTSL. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	185135439
NCBI GeneID	100135965
NCBI Accession #	NP_001117777.1
NCBI GenBank Nucleotide #	NM_001124305.1
NCBI Official Full Name	procathepsin L
NCBI Official Symbol	LOC100135965
NCBI Protein Information	procathepsin L

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/procathepsin-l/27400>