

Human Serpin G1 ELISA Kit

Human Serpin G1 PicoKine ELISA Kit

CATALOG #
AAA125010

REACTIVITY
Human

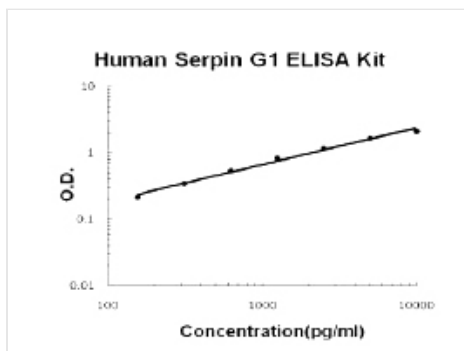
PRODUCT SYNONYMS

Serpin G1; Human Serpin G1 PicoKine ELISA Kit; Human Serpin G1; Serpin G1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human SERPINF2
Sequence Length	154
Samples	Cell Culture Supernates, Serum And Plasma (Heparin, Edta, Citrate)
Detection Range	1.56ng/ml-100ng/ml
Sensitivity	<10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision
Inter-assay Precision	Inter-Assay Precision (Precision accross assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Serpin G1 elisa kit	Principle of the Assay: The Picokine Human SERPINF2 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human SERPINF2 with a 96-well strip plate that is pre-coated with antibody specific for SERPINF2. The detection antibody is a biotinylated antibody specific for SERPINF2. The capture antibody is a monoclonal antibody from mouse, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Human SERPINF2 with immunogen: Expression system for standard: NSO, Immunogen sequence: N40-K491. The kit is analytically validated with ready to use reagents. To measure Human SERPINF2, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbound ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly propotional to Human SERPINF2 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human SERPINF2 in the sample!!Background/Introduction: Human SerpinF2 encodes a member of the serpin family of serine protease inhibitors. The protein is a major inhibitor of plasmin, which degrades fibrin and various other proteins. Consequently, the proper function of this gene has a major role in regulating the blood clotting pathway. Mutations in this gene result in alpha-2-plasmin inhibitor deficiency, which is characterized by severe hemorrhagic diathesis. Multiple transcript variants encoding different isoforms have been found for this gene.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1077091806
UniProt Accession #	A0A1A7ZFM0
NCBI Official Full Name	serpin peptidase inhibitor, clade G (C1 inhibitor), member 1, partial

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://stage.aaabiotech.com/human-elisa-kits/serpin-g1/125010>