

Human SerpinF2 ELISA Kit | SerpinF2 elisa kit

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CATALOG #
AAA258352

REACTIVITY
Human

PRODUCT SYNONYMS

SerpinF2; Human SerpinF2 ELISA Kit; Alpha 2 Antiplasmin/SerpinF2 ELISA Kit; Human; serpin peptidase inhibitor; clade F; member 2; A2AP ELISA Kit; AAP ELISA Kit; ALPHA-2-PI ELISA Kit; API ELISA Kit; PLI ELISA Kit; SerpinF2 elisa kit

PRODUCT SPECIFICATIONS

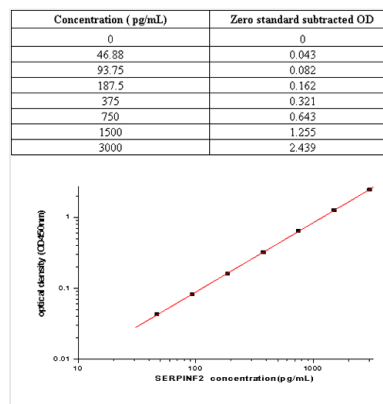
Reactivity	Human
Specificity	For the quantitative determination of Human SerpinF2 concentration in serum.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Serum
Detection Range	46.88-3000pg/mL
Sensitivity	7pg/mL
Conjugation	HRP
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

IMAGES

Recombinant human			
AGT	SerpinA1	SERPINA12	SerpinA3
SerpinA5	SERPINA6	SERPINA7	SERPINA1
SERPINA2	SERPINA3	SERPINA4	SERPINA6
SERPINA9	SERPINA1	SERPINA11	SERPINA1
SERPINA1	SERPINA1	SERPINA1	SERPINA2
CNTF	IL1b	IL3	IL7
LIF	LIFR	TNFB	TGFB1
IL6R	IL1a	IL2	IL4
IL8	IL11	OSM	TNFa
GMCSF	PDGF		
Recombinant mouse			
SERPINF2			

Application Data

This assay recognizes both recombinant and natural Human SERPINF2. The factors listed below were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed.



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for SerpinF2 elisa kit	This Alpha 2 Antiplasmin/SerpinF2 ELISA Kit, Human is an enzyme-linked immunosorbent assay for the quantitative measurement of Human Alpha 2 Antiplasmin/SerpinF2 protein in Serum. It contains recombinant Human Alpha 2 Antiplasmin/SerpinF2, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: SerpinF2, also known as alpha-2 antiplasmin (alpha-2 AP), is a member of the Serpin superfamily. SerpinF2 is the principal physiological inhibitor of serine protease plasmin, and as well as, an efficient inhibitor of trypsin and chymotrypsin. This protease is produced mainly by liver and kidney, and also expressed in muscle, intestine, central nervous system, and placenta at a moderate level. It is indicated that Serpin F2 is a key regulator of plasmin-mediated proteolysis in these tissues. Alpha-2 AP is an unusual serpin in that it contains extensive N- and C-terminal sequences flanking the serpin domain. The N-terminal sequence is crosslinked to fibrin by factor XIIIa, whereas the C-terminal region mediates the initial interaction with plasmin. SerpinF2 is one of the inhibitors of fibrinolysis, which acts as the primary inhibitor of plasmin(ogen). It is a specific plasmin inhibitor, and is important in modulating the effectiveness and persistence of fibrin with respect to its susceptibility to digestion and removal by plasmin. Alpha-2 AP plays the dominant role in inhibiting both plasma clot lysis and thrombus lysis, and accordingly, the congenital deficiency of Alpha-2 antiplasmin causes a rare bleeding disorder because of increased fibrinolysis. Thus, it may be a useful target for developing more effective treatment of thrombotic diseases.
References	Lee KN, et al. (2004) Alpha2-antiplasmin: potential therapeutic roles in fibrin survival and removal. Curr Med Chem Cardiovasc Hematol Agents. 2(4): 303-10. Matsuno H. (2006) Alpha2-antiplasmin on cardiovascular diseases. Curr Pharm Des. 12(7): 841-7. Burnouf T, et al. (2007) Impact of Triton X-100 on alpha 2-antiplasmin (SERPINF2) activity in solvent/detergent-treated plasma. Biologicals. 35(4): 349-53. Carpenter SL, et al. (2008) Alpha2-antiplasmin and its deficiency: fibrinolysis out of balance. Haemophilia. 14(6): 1250-4.

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.