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Datasheet for ABIN6720111
SERPINA4 ELISA Kit

Overview

Quantity:	1 kit
Target:	SERPINA4
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: KAIN_HUMAN, Kallikrein inhibitor, Kallistatin, Peptidase inhibitor 4, PI-4, PI4, Serpin A4, SERPINA4</p> <p>Background: Serpin peptidase inhibitor, clade A(alpha-1 antiproteinase, antitrypsin), member 4, also called Kallistatin, is a protein that in humans is encoded by the SERPINA4 gene. This gene is mapped to chromosome 14q32.13. Kallistatin is a serine proteinase inhibitor(serpin) and a heparin-binding protein. It is localized in vascular smooth muscle cells and endothelial cells of blood vessels, suggesting that it may be involved in the regulation of vascular function. It shows that kallistatin plays a role in neointima hyperplasia. The potential role of kallistatin was</p>

Product Details

investigated in angiogenesis in vitro and in vivo, and presented results demonstrating a novel role of the protein in the inhibition of angiogenesis and tumor growth.

Gene Name: SERPINA4

Production: Natural and recombinant human Kallistatin. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: Q21-P427

Target Details

Target:	SERPINA4
Alternative Name:	Kallistatin - Serpina4 (SERPINA4 Products)
Gene ID:	3815
NCBI Accession:	NP_000213
UniProt:	P10721

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL human Kallistatin standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each human Kallistatin standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 156pg/mL-10000pg/mL

Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	RT,4 °C,-20 °C
Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only

Handling

prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.