



Datasheet for ABIN6719971

Prolyl Endopeptidase FAP ELISA Kit



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1 Image

Overview

Quantity:	1 kit
Target:	Prolyl Endopeptidase FAP (FAP)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	62.5 pg/mL - 4000 pg/mL
Minimum Detection Limit:	62.5 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: 170 kDa melanoma membrane-bound gelatinase, FAP, Fibroblast activation protein alpha, Integral membrane serine protease, SEPR_HUMAN, Seprase</p> <p>Background: FAP(Fibroblast Activation Protein, Alpha) also known as FAPA or SEPRASE, is an inducible cell surface glycoprotein that was originally identified in cultured fibroblasts using monoclonal antibody F19. The protein encoded by this gene is a homodimeric integral membrane gelatinase belonging to the serine protease family. The FAP gene is mapped on 2q24.2. FAP is most closely related to DPPIV and they share about 50 % of their amino acids. FAP is catalytically active as a 170kD dimer and has dipeptidase and gelatinase activity. Its</p>

Product Details

gelatinase activity requires a glycine in P2 position. FAP-alpha shows 48 % amino acid identity with dipeptidyl peptidase IV and 30 % identity with DPP4-related protein. Northern blot analysis detected a 2.8-kb FAP-alpha mRNA in fibroblasts. Depletion of FAP-expressing cells, which made up only 2 % of all tumor cells in established Lewis lung carcinomas, caused rapid hypoxic necrosis of both cancer and stromal cells in immunogenic tumors by a process involving interferon-gamma and tumor necrosis factor-alpha.

Gene Name: FAP

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

Standard: Expression system for standard: NSO, Immunogen sequence: L26-D760

Target Details

Target: Prolyl Endopeptidase FAP (FAP)

Alternative Name: Seprase - FAP ([FAP Products](#))

Gene ID: 2191

NCBI Accession: [NP_001278736](#)

UniProt: [Q12884](#)

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 4000pg/mL, 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL human Seprase 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 Seprase standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 62.5pg/mL-4000pg/mL

Sample Volume: 100 µL

Plate: Pre-coated

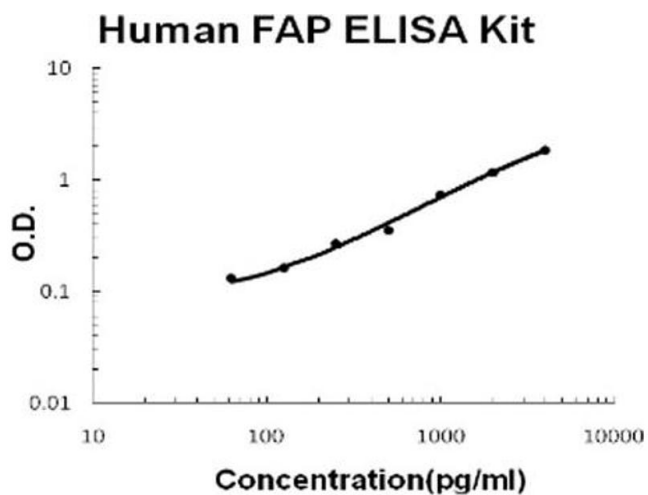
Restrictions: For Research Use only

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

Images



ELISA

Image 1. Human Seprase/FAP Accusignal ELISA Kit Human Seprase/FAP AccuSignal ELISA Kit standard curve. Assay Range: 62.5pg/ml-4000pg/ml. Sensitivity: <10pg/ml.