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FURIN ELISA Kit





Overview

Quantity:	1 kit
Target:	FURIN
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	312 pg/mL - 20000 pg/mL
Minimum Detection Limit:	312 pg/mL
Application:	ELISA

Product Details

Product Details	
Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Lysate, Cell Culture Supernatant, Tissue Homogenate
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	Synonyms: Dibasic processing enzyme, Dibasic-processing enzyme, FES upstream region, FUR, FURIN, Furin membrane associated receptor protein, FURIN_HUMAN, PACE, Paired basic
	amino acid residue cleaving enzyme, Paired basic amino acid residue-cleaving enzyme, PCSK3, Proprotein convertase subtilisin/kexin type 3, SPC1
	Background: Furin(Fur), also known as PACE, is a protein that in humans is encoded by the
	FURIN gene. The protein encoded by this gene is an enzyme which belongs to the subtilisin-like
	proprotein convertase family. The FUR gene is located approximately 1 kb upstream of the FES

gene on chromosome 15q25-q26. This gene is thought to play a role in tumor progression.

Furin is one of the proteases responsible for the proteolytic cleavage of HIV envelope polyprotein precursor gp160 to gp120 and gp41 prior to viral assembly. Furin is enriched in the Golgi apparatus, where it functions to cleave other proteins into their mature/active forms. Expression of furin in T-cells is required for maintenance of peripheral immune tolerance Gene Name: FURIN

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

Standard: Expression system for standard: NSO, Immunogen sequence: D108-E715

Target Details

Target:	FURIN
Alternative Name:	Furin (FURIN Products)
Gene ID:	5045
NCBI Accession:	NP_001276752
UniProt:	P09958
Pathways:	Notch Signaling, Neurotrophin Signaling Pathway

Application Details

Application Details	
Application Notes:	Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot
	0.1 mL per well of the 20000pg/mL, 10000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL,
	625pg/mL, 312pg/mL human Furin 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, tissue homogenates or cell lysates to
	each empty well. It is recommended that each human Furin standard solution and each sample
	be measured in duplicate.
	ELISA Dilution: 312pg/mL-20000pg/mL
Sample Volume:	100 μL
Plate:	Pre-coated
Restrictions:	For Research Use only

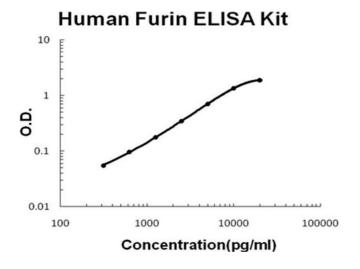
Handling

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 Furin Accusignal ELISA Kit Human Furin AccuSignal ELISA Kit standard curve. Assay Range : 312pg/ml-20000pg/ml. Sensitivity: <10pg/ml.