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IGFBPI ELISA Kit





Overview

Quantity:	1 kit
Target:	IGFBPI
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	31.2 pg/mL - 2000 pg/mL
Minimum Detection Limit:	31.2 pg/mL
Application:	ELISA

Product Details

- Toddet Details	
Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum, Urine
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	Synonyms: AFBP, hIGFBP-1, IBP1, IGF-binding protein 1, IGF-BP25, Insulin-like growth factor-binding protein 1, Placental protein 12, PP12 Background: IGFBP1 is also known as amniotic fluid binding protein(AFBP), placental protein-12, alpha-pregnancy-associated endometrial globulin, growth hormone independent binding protein, binding protein-28, binding protein-26, and binding protein-25. The low-molecular

weight insulin-like growth-factor binding protein(IGF-BP25) is synthesized by human liver,

secretory endometrium and decidua, and is also present in human serum. It binds insulin-like

growth factors IGF-I and IGF-II with high affinity, and is proposed to act as a paracrine regulator

of cell growth. These IGF-binding proteins are expressed at different concentrations in different tissues and are thought to regulate the activity of IGF I and II. The gene is organized in four exons and spans 5.9 kb. The IBP-1 gene is a single copy gene, located on chromosome 7. The standard product used in this kit is recombinant human IGFBP-1, consisting of 234 amino acids with the molecular mass of 25KDa.

Gene Name: IGFBP1

Production: Natural and recombinant human IGFBP-1. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: A26-N259

Target Details

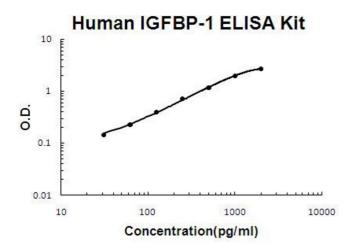
Target:	IGFBPI
Alternative Name:	IGFBP-1 (IGFBPI Products)
Gene ID:	3484
NCBI Accession:	NP_000587
UniProt:	P08833
Pathways:	Myometrial Relaxation and Contraction, ER-Nucleus Signaling, Growth Factor Binding

Application Details	
Application Notes:	Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot
	0.1 mL per well of the 2000pg/mL,1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL,
	31.2pg/mL human IGFBP-1 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, plasma (heparin, EDTA) or urine to each
	empty well. It is recommended that each human IGFBP-1 standard solution and each sample
	be measured in duplicate.
	Blood Product Anticoagulant: Heparin Sodium
	ELISA Dilution: 31.2pg/mL-2000pg/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 IGFBP-1 Accusignal ELISA Kit Human IGFBP-1 AccuSignal ELISA Kit standard curve. Assay Range: 31.2pg/ml-2000pg/ml. Sensitivity: <1pg/ml.