

Datasheet for ABIN6720226
IGFBP2 ELISA Kit[Go to Product page](#)

1 Image

Overview

Quantity:	1 kit
Target:	IGFBP2
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: BP 2, BP2, IBP 2, IBP-2, IBP2, IBP2_HUMAN, IGF binding protein 2, IGF BP53, IGF-binding protein 2, IGF-BP53, IGFBP-2, IGFBP2, IGFBP53, Insulin Like Growth Factor Binding Protein 2, Insulin like growth factor binding protein 2 36 kDa, Insulin like growth factor-binding protein 2 precursor, Insulin-like growth factor-binding protein 2</p> <p>Background: Insulin-like growth factor-binding protein 2(IGFBP2), also called IBP2, is a protein that in humans is encoded by the IGFBP2 gene. It is mapped to 2q35. By structural analysis, it showed that the IGFBP2 gene consists of 4 exons with 3 introns of lengths 27.0, 1.0, and 1.9 kb. IGFBP2 secreted by metastatic cells recruits endothelia by modulating IGF1 mediated</p>

Product Details

activation of the IGF type-I receptor on endothelial cells. The IGFBP2/IGF1/IGF1R and GAS6/MERTK signaling pathways are regulators of cancer-mediated endothelial recruitment.

Gene Name: IGFBP2

Production: Natural and recombinant human IGFBP2. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: E40-Q328

Target Details

Target:	IGFBP2
Alternative Name:	IGFBP2 (IGFBP2 Products)
Gene ID:	3485
NCBI Accession:	NP_000588
UniProt:	P18065
Pathways:	Myometrial Relaxation and Contraction , Growth Factor Binding , Activated T Cell Proliferation

Application Details

Application Notes:	<p>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 IGFBP2 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 or EDTA) or urine to each empty well. It is recommended that each human IGFBP2 standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 62.5pg/mL-4000pg/mL</p>
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	RT, 4 °C, -20 °C
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Handling

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

