

Datasheet for ABIN6720208  
**IGFBP4 ELISA Kit**

## 1 Image

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## Overview

Quantity:	1 kit
Target:	IGFBP4
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	500 pg/mL - 32000 pg/mL
Minimum Detection Limit:	500 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: AI875747, BP 4, BP4, Deb2, HT29 IGFBP, IBP 4, IBP-4, IBP4, IBP4_HUMAN, IGF binding protein 4, IGF-binding protein 4, IGF-BP4, IGFBP 4, IGFBP-4, IGFBP4, Insulin Like Growth Factor Binding Protein 4, Insulin-like growth factor-binding protein 4</p> <p>Background: Insulin-like growth factor-binding protein 4 is a protein that in humans is encoded by the IGFBP4 gene. This gene is a member of the insulin-like growth factor binding protein (IGFBP) family and encodes a protein with an IGFBP domain and a thyroglobulin type-I domain. The protein binds both insulin-like growth factors (IGFs) I and II and circulates in the plasma in both glycosylated and non-glycosylated forms. Binding of this protein prolongs the half-life of</p>

## Product Details

the IGFs and alters their interaction with cell surface receptors. In addition, IGFBP-4 is a unique protein and it consistently inhibits several cancer cells in vivo and in vitro. Its inhibitory action has been shown in vivo in prostate and colon. It is secreted by all colon cancer cells.

Gene Name: IGFBP4

Production: Natural and recombinant human IGFBP4. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: D22-E258

## Target Details

Target:	IGFBP4
Alternative Name:	IGFBP4 ( <a href="#">IGFBP4 Products</a> )
Gene ID:	3487
NCBI Accession:	<a href="#">NP_001543</a>
UniProt:	<a href="#">P22692</a>
Pathways:	<a href="#">WNT Signaling</a> , <a href="#">Myometrial Relaxation and Contraction</a> , <a href="#">Regulation of Carbohydrate Metabolic Process</a>

## Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 32000pg/mL, 16000pg/mL, 8000pg/mL, 4000pg/mL, 2000pg/mL, 1000pg/mL, 500pg/mL human IGFBP4 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 IGFBP4 standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 500pg/mL-32000pg/mL</p>
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

