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Datasheet for ABIN6720087 IGFBP5 ELISA Kit

Overview

Quantity:	1 kit
Target:	IGFBP5
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 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:

Synonyms: IBP 5, IBP-5, IBP5, IBP5_HUMAN, IGF binding protein 5, IGF BP5, IGF-binding protein 5, IGFBP 5, IGFBP-5, IGFBP5, Insulin like growth factor binding protein 5, Insulin-like growth factor-binding protein 5

Background: Insulin-like growth factor-binding protein 5 is a protein that in humans is encoded by the IGFBP5 gene. The IGFBP5 gene was mapped to chromosome 2q33-q34. The expression of IGFBP5 by stable transfection and adenovirus-mediated infection was inhibitory to growth in 2 human breast cancer cell lines. Stable expression of IGFBP5 in the breast cancer cell lines also inhibited the formation and growth of tumors following injection in athymic mice. IGFBP5

Product Details

is believed a growth inhibitor and proapoptotic agent in breast cancer cells.

Gene Name: IGFBP5

Production: Natural and recombinant mouse IGFBP5. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: L20-E271

Target Details

Target:	IGFBP5
Alternative Name:	IGFBP5 (IGFBP5 Products)
Gene ID:	16011
NCBI Accession:	NP_034648
UniProt:	Q07079
Pathways:	WNT Signaling , Carbohydrate Homeostasis , Myometrial Relaxation and Contraction , Regulation of Carbohydrate Metabolic Process , Autophagy , Smooth Muscle Cell Migration , Growth Factor Binding

Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10,000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL mouse IGFBP5 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 mouse cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each mouse IGFBP5 standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 156pg/mL-10,000pg/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.