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Datasheet for KOA0201

Human IGFBP2 ELISA Kit

Overview

Description:	Human IGFBP2 AccuSignal ELISA Kit - KOA0201
Item No.:	KOA0201
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	62.5 pg/ml - 4000 pg/ml

Product Details

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 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.
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 36kDa, Insulin like growth factor-binding protein 2 precursor, Insulin-like growth factor-binding protein 2
Detection Kit Type:	ELISA Kit
Detection Range:	62.5 pg/ml - 4000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	IGFBP2
Reactivity:	Human
Immunogen:	Expression system for standard: NSO; Immunogen sequence: E40-Q328
Purity/Specificity:	Natural and recombinant human IGFBP2. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:	• UniProtKB - P18065 • NCBI - NP_000588.2 • GeneID - 3485 • KOA0201 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml 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 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml 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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

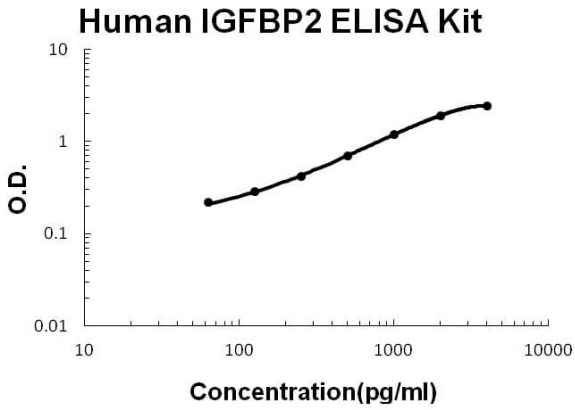
Formulation

Anticoagulant:	Heparin Sodium

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	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.
Expiration:	See kit insert for complete instructions.

Images



ELISA
Human IGFBP2 AccuSignal ELISA Kit standard curve. Assay Range: 62.5pg/ml-4000pg/ml. Sensitivity: <10pg/ml.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.