

Datasheet for KOA0204**Mouse IGFBP-3 ELISA Kit****Overview**

Description:	Mouse IGFBP-3 AccuSignal ELISA Kit - KOA0204
Item No.:	KOA0204
Size:	1 Kit
Applications:	ELISA
Reactivity:	Mouse
Range:	156 pg/ml - 10000 pg/ml

Product Details

Background:	Insulin-like growth factor(IGF)-binding protein-3(IGFBP-3) is a major determinant of circulating levels of the IGFs and is clinically useful for the evaluation of GH deficiency and for predicting the response to GH treatment. The circulating level of IGFBP-3 is inversely related to the risk of several common cancers, and that antiproliferative agents such as antiestrogens and retinoids act in part by up-regulating IGFBP-3 gene(IGFBP3) expression. Insulin-like growth factor-binding protein(IGFBP)-3, well characterized as the carrier of insulin-like growth factor(IGF), has been reported to have intrinsic bioactivity that is independent of IGF binding. IGFBP-3 has an IGF-independent, antiproliferative effect in undifferentiated and early differentiated but not in terminally differentiated chondrocytes. IGFBP-3 possesses both growth-inhibitory and potentiating effects on cells that are independent of IGF action and are mediated through specific. IGFBP-3 binding proteins/receptors locate at the cell membrane, cytosol, or nuclear compartments and in the extrIGFBP-3llular matrix. IGFBP3 is also located on chromosome 7. The standard product used in this kit is recombinant mouse IGFBP-3, consisting of 270 amino acids with the molecular mass of 29.4kDa. As a result of glycosylation, the molecular mass is 40-50KDa.
Synonyms:	Acid stable subunit of the 140 K IGF complex, Binding protein 29, Binding protein 53, BP 53, BP53, Growth hormone dependent binding protein, IBP 3, IBP3, IGF binding protein 3, IGFBP 3, Insulin Like Growth Factor Binding Protein 3
Detection Kit Type:	ELISA Kit
Detection Range:	156 pg/ml - 10000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	IGFBP3
Reactivity:	Mouse
Immunogen:	Expression system for standard: NSO; Immunogen sequence: G28Q-K291
Purity/Specificity:	Natural and recombinant mouse IGFBP-3. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - B3KPF0 • NCBI - NP_000589.2 • GeneID - 3486 • KOA0204 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 10000pg/ml, 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 313pg/ml, 156pg/ml mouse IGFBP-3 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 mouse cell culture supernates or serum to each empty well. It is recommended that each mouse IGFBP-3 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.
Other:	DOE @ 4°C 10/01/2026 @ -20°C 04/01/2027

Formulation

Concentration:	1 Kit
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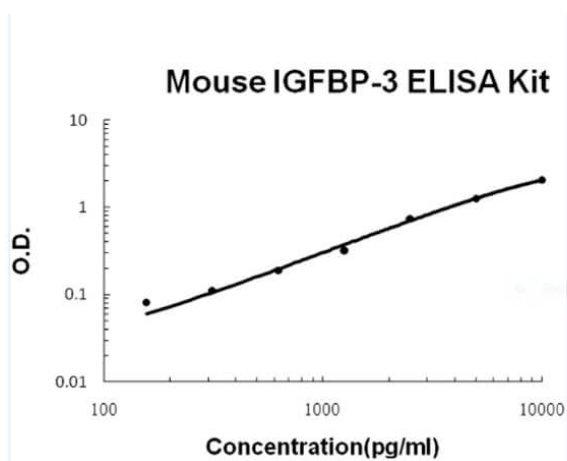
Shipping & Handling

Shipping Condition:	Wet Ice
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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

Mouse IGFBP-3 AccuSignal ELISA Kit standard curve. Assay Range: 156pg/ml-10000pg/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.