

Datasheet for KOA0618**Human IGFBP7 ELISA Kit****Overview**

Description:	Human IGFBP7 AccuSignal ELISA Kit - KOA0618
Item No.:	KOA0618
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	625 pg/ml - 40000 pg/ml

Product Details

Background:	Insulin-like growth factor-binding protein 7 is a protein that in humans is encoded by the IGFBP7 gene. The gene was mapped to chromosome 4q12. The major function of the protein is the regulation of availability of insulin-like growth factors(IGFs) in tissue as well as in modulating IGF binding to its receptors. IGFBP7 binds to IGF with high affinity. It also stimulates cell adhesion. The protein is implicated in some cancers.
Synonyms:	AGM, Angiomodulin, FSTL2, IBP-7, IBP7, IBP7_HUMAN, IGF binding protein 7, IGF-binding protein 7, IGFBP rP1, IGFBP-7, IGFBP-rP1, IGFBP7, IGFBPRP1, Insulin like growth factor binding protein 7, Insulin-like growth factor-binding protein 7, MAC25, MAC25 protein, PGI2 stimulating factor, PGI2-stimulating factor, Prostacyclin stimulating factor, Prostacyclin-stimulating factor, PSF, RAMSVPS, TAF, Tumor-derived adhesion factor
Detection Kit Type:	ELISA Kit
Detection Range:	625 pg/ml - 40000 pg/ml
Sensitivity:	<20 pg/ml

Target Details

Gene Name:	IGFBP7
Reactivity:	Human
Immunogen:	Expression system for standard: NSO; Immunogen sequence: D30-L282
Purity/Specificity:	Natural and recombinant human IGFBP7. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:

- [UniProtKB - Q16270](#)
- [NCBI - NP_001240764.1](#)
- [GeneID - 3490](#)
- [KOA0618 Protocol](#)

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 40000pg/ml, 20000pg/ml, 10000pg/ml, 5000pg/ml, 2,500pg/ml, 1,250pg/ml, 625pg/ml human IGFBP7 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, EDTA) or urine to each empty well. It is recommended that each human IGFBP7 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: 2-8° C - 11/18/2021 -20° C - 05/19/2022

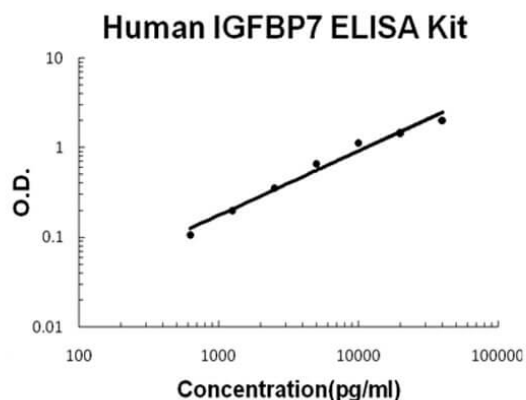
Formulation

Concentration:	1 Kit
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 IGFBP7 AccuSignal ELISA Kit standard curve. Assay Range: 625pg/ml-40000pg/ml. Sensitivity: <20pg/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.