

Datasheet for KOA0758

Human IL-18BP ELISA Kit**Overview**

Description:	Human IL-18BP AccuSignal ELISA Kit - KOA0758
Item No.:	KOA0758
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	93.7 pg/ml - 6000 pg/ml

Product Details

Background:	Interleukin-18-binding protein, also known as IL18BP, is a protein that in humans is encoded by the IL18BP gene. It is mapped to 11q13.4. The protein encoded by this gene is an inhibitor of the proinflammatory cytokine IL18. This protein binds to IL18, prevents the binding of IL18 to its receptor, and thus inhibits IL18-induced IFN-gamma production. This protein is constitutively expressed and secreted in mononuclear cells. The expression of this protein can be enhanced by IFN-gamma. It has been found that IL18BP expression in intestinal tissue is increased in endothelial cells as well as cells of the submucosa and overlying lymphoid aggregates in Crohn disease.
Synonyms:	IL18BP_HUMAN, IL-18BP, IL18BP, Interleukin-18-binding protein, Tadekinig-alfa
Detection Kit Type:	ELISA Kit
Detection Range:	93.7 pg/ml - 6000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	IL18BP
Reactivity:	Human
Immunogen:	Expression system for standard: NSO; Immunogen sequence: T31-G194
Purity/Specificity:	Natural and recombinant human IL-18BP. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:	• UniProtKB - O95998 • NCBI - NP_001034748.1 • GeneID - 10068 • KOA0758 Protocol
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Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 6000pg/ml, 3000pg/ml, 1500pg/ml, 750pg/ml, 419pg/ml, 187.5pg/ml, 93.7pg/ml human IL-18BP 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 IL-18BP 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.
ELISA:	93.7pg/ml-6000pg/ml
Other:	DOE: 2-8° C - 08/20/2022 -20° C - 02/18/2023

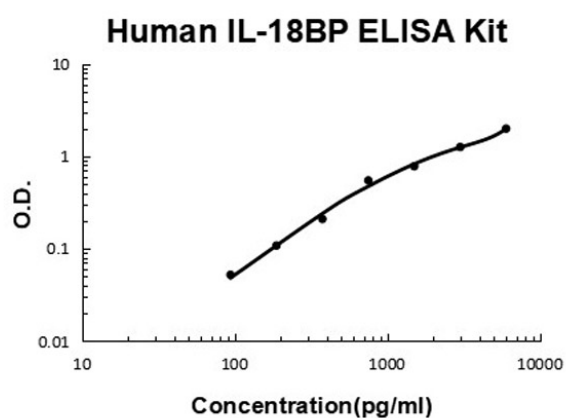
Formulation

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 IL-18BP ELISA Kit standard curve.

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.