

Datasheet for KOA0429**Human CXCL10 - IP-10 ELISA Kit****Overview**

Description:	Human CXCL10/IP-10 AccuSignal ELISA Kit - KOA0429
Item No.:	KOA0429
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	31.2 pg/ml - 2000 pg/ml

Product Details

Background:	Chemokine(C-X-C motif) ligand 10(CXCL10) or IP-10 is a small cytokine belonging to the CXC chemokine family that is also known as 10 kDa interferon-gamma-induced protein(gamma-IP10 or IP-10). CXCL10 is secreted by several cell types in response to IFN-gamma. These cell types include monocytes, endothelial cells and fibroblasts. CXCL10 has been attributed to several roles, such as chemoattraction for monocytes/macrophages, T cells, NK cells, and dendritic cells, promotion of T cell adhesion to endothelial cells, antitumor activity, and inhibition of bone marrow colony formation and angiogenesis. It is a potent inhibitor of angiogenesis in vivo. The gene for CXCL10 is located on human chromosome 4 in a cluster among several other CXC chemokines. It is a RAS target gene and is overexpressed in the majority of colorectal cancers. This chemokine elicits its effects by binding to the cell surface chemokine receptor CXCR3.
Synonyms:	10 kDa interferon gamma-induced protein, C7, Chemokine CXC motif ligand 10, Crg 2, CRG2, CXCL10, CXL10_HUMAN, Gamma IP10, gIP 10, GIP10, IFI10, INP 10, Interferon activated gene 10, Interferon gamma induced cell line, Interferon inducible cytokine IP10, IP 10, IP-10, MOB1, SCYB10, Small inducible cytokine B10, Small inducible cytokine B10 precursor, Small inducible cytokine subfamily B (Cys X Cys) member 10, Small inducible cytokine subfamily B CXC member 10, Small-inducible cytokine B10
Detection Kit Type:	ELISA Kit
Detection Range:	31.2 pg/ml - 2000 pg/ml
Sensitivity:	<1 pg/ml

Target Details

Gene Name:	CXCL10
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Reactivity:	Human
Immunogen:	Expression system for standard: E.coli; Immunogen sequence: V22-P98
Purity/Specificity:	Natural and recombinant human CXCL10. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - P02778 • NCBI - NP_001556.2 • GeneID - 3627 • KOA0429 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml human CXCL10 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), saliva or urine to each empty well. It is recommended that each human CXCL10 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:	31.2pg/ml-2000pg/ml
Other:	DOE: 2-8° C - 01/01/2023 -20° C - 07/01/2023

Formulation

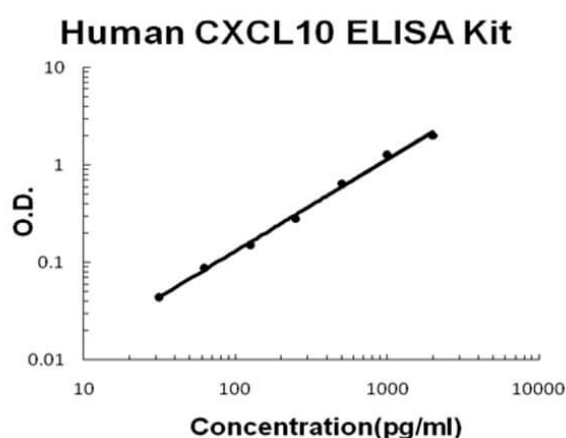
Concentration:	1 Kit
Anticoagulant:	Heparin Sodium

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

Human CXCL10/IP-10 AccuSignal ELISA Kit standard curve.
Assay Range: 31.2pg/ml-2000pg/ml. Sensitivity: <1pg/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.