

Human CXCL10/IP-10 AccuSignal ELISA Kit - KOA0429
Code: KOA0429

Size: 1 Kit

Product Description: Human CXCL10/IP-10 AccuSignal ELISA Kit - KOA0429

PhysicalState:

Label	Unconjugated
Gene Name	CXCL10
Species Reactivity	Human
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.
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
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.
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.
Purity And Specificity	Natural and recombinant human CXCL10. There is no detectable cross-reactivity with other relevant proteins.
ELISA	31.2pg/ml-2000pg/ml
Expiration	See kit insert for complete instructions.
Immunogen	Expression system for standard: E.coli; Immunogen sequence: V22-P98
Anti-Coagulant	Heparin Sodium

Related Products

201-401-B84	Anti-Bovine CXCL10 (Rabbit) Antibody - 201-401-B84
MB-008	10X PBS pH 7.2 (0.2 M Potassium Phosphate 1.5 M Sodium Chloride) - MB-008
MB-012	10X TBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride) - MB-012
MB-013	10X TTBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride 0.1% (w/v) Tween-20) - MB-013

Related Links

UniProtKB - P02778

<http://www.uniprot.org/uniprot/P02778>

 NCBI - http://www.ncbi.nlm.nih.gov/protein/NP_001556.2

GeneID - 3627

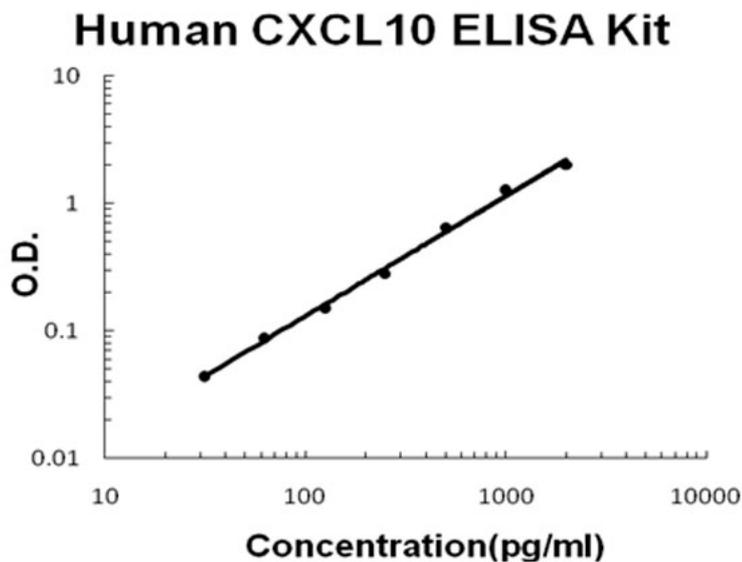
<http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&term=3627>

KOA0429 Protocol [http://www.rockland-inc.com/uploadedfiles/Support/KOA0429%20\(NMA\).pdf](http://www.rockland-inc.com/uploadedfiles/Support/KOA0429%20(NMA).pdf)

Images

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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.