

Datasheet for KOA0426**Human CXCL7 ELISA Kit****Overview**

Description:	Human CXCL7 AccuSignal ELISA Kit - KOA0426
Item No.:	KOA0426
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	15.6 pg/ml - 1000 pg/ml

Product Details

Background:	Chemokine(C-X-C motif) ligand 7(CXCL7), also called PPBP or SCYB7, is a human gene. The encoded protein, Chemokine(C-X-C motif) ligand is a small cytokine belonging to the CXC chemokine family. CXCL7 is mapped to 4q13.3. It is a protein that is released in large amounts from platelets following their activation. CXCL7 is the precursor of the 2 platelet alpha-granule proteins, platelet basic protein(PBP) and connective tissue-activating peptide III(CTAP3). It stimulates various processes including mitogenesis, synthesis of extracellular matrix, glucose metabolism and synthesis of plasminogen activator. It also stimulates the formation and secretion of plasminogen activator by synovial cells.
Synonyms:	B TG1, Beta TG, Beta thromboglobulin, C X C motif chemokine 7, Connective tissue activating peptide III, CTAP3, CTAPIII, LA PF4, LDGF, Leukocyte derived growth factor, Low affinity platelet factor IV, Macrophage derived growth factor, MDGF, NAP 2, Neutrophil activating peptide 2, PBP, Platelet basic protein, Pbbp, pro platelet basic protein, Small inducible cytokine B7, Small inducible cytokine subfamily B member 7, TC1, TC2, TCK 1, TGB, TGB1, THBGB, THBGB1, Thrombocidin 1, Thrombocidin 2, Thymus Chemokine 1
Detection Kit Type:	ELISA Kit
Detection Range:	15.6 pg/ml - 1000 pg/ml
Sensitivity:	<2 pg/ml

Target Details

Gene Name:	CXCL7
Reactivity:	Human

Immunogen:	Expression system for standard: E.coli; Immunogen sequence: A59-D128
Purity/Specificity:	Natural and recombinant human CXCL7. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - P02775 • NCBI - NP_002695.1 • GenelD - 5473 • KOA0426 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml, 15.6pg/ml human CXCL7 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 or plasma (heparin, EDTA) to each empty well. It is recommended that each human CXCL7 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:	15.6pg/ml-1000pg/ml
Other:	DOE: 2-8° C- 07/25/2021 -20° C - 01/25/2021

Formulation

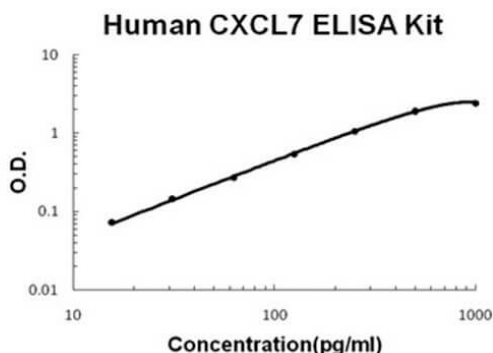
Concentration:	1 Kit
Anticoagulant:	Heparin Sodium

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 CXCL7 AccuSignal ELISA Kit standard curve. Assay Range: 15.6pg/ml-1000pg/ml. Sensitivity: <2pg/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.