Human CXCL7 ELISA Kit

Catalog No: #EK5304

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Description

Product Name	Human CXCL7 ELISA Kit
Specificity	Human
Crossing Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Immunogen Type	E.coli,A59-D128
Other Names	Platelet basic protein; PBP; C-X-C motif chemokine 7; Leukocyte-derived growth factor; LDGF; Macrophage-derived growth factor; MDGF; Small-inducible cytokine B7; Connective tissue-activating peptide III; CTAP-III; LA-PF4; Low-affinity platelet factor IV; TC-2; Connective tissue-activating peptide III(1-81); CTAP-III(1-81); Beta-thromboglobulin; Beta-TG; Neutrophil-activating peptide 2(74); NAP-2(74); Neutrophil-activating peptide 2(73); NAP-2(73); Neutrophil-activating peptide 2; NAP-2; TC-1; Neutrophil-activating peptide 2(1-66); NAP-2(1-66); Neutrophil-activating peptide 2(1-63); NAP-2(1-63); PPBP; CTAP3, CXCL7, SCYB7, TGB1, THBGB1;
Accession No.	P02775
Uniprot	P02775
GeneID	5473;
Cell Localization	Secreted.

Application Details

sensitivity:2pg mlDetect Range:15.6pg ml-1000pg mlsample_type:cell culture supernates cell lysates tissue homogenates serum and plasma (heparin EDTA).capture_antibody:monoclonal antibody from mousedetection_antibody:polyclonal antibody from goatgene_name:CXCL7protein_name:Platelet basic proteingene_full_name:Platelet basic proteintissue_specificity:sequence_similarities:Belongs to the intercrine alpha (chemokine CxC) family. tmb_incubation:20-25minresearch_category:immunology|innate immunity|macrophage / inflamm.|cardiovascular|blood|platelets|chemokines|alpha chemokines (cxc)|signal transduction|growth factors/hormones|pdgf

Product Description

Sandwich High Sensitivity ELISA kit for Quantitative Detection of Human CXCL7

Background

protein_function: LA-PF4 stimulates DNA synthesis, mitosis, glycolysis,intracellular cAMP accumulation, prostaglandin E2 secretion, andsynthesis of hyaluronic acid and sulfated glycosaminoglycan. Italso stimulates the formation and secretion of plasminogenactivator by human synovial cells. NAP-2 is a ligand for CXCR1 andCXCR2, and NAP-2, NAP-2(73), NAP-2(74), NAP-2(1-66), and mostpotent NAP-2(1-63) are chemoattractants and activators forneutrophils. TC-1 and TC-2 are antibacterial proteins, in vitroreleased from activated platelet alpha-granules. CTAP-III(1-81) ismore potent than CTAP-III desensitize chemokine-induced neutrophilactivation..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.

Note: This product is for in vitro research use only