

Human CXCL7 ELISA Kit | CXCL7 elisa kit

Human CXCL7 PicoKine ELISA Kit

CATALOG #
AAA45908

REACTIVITY
Human

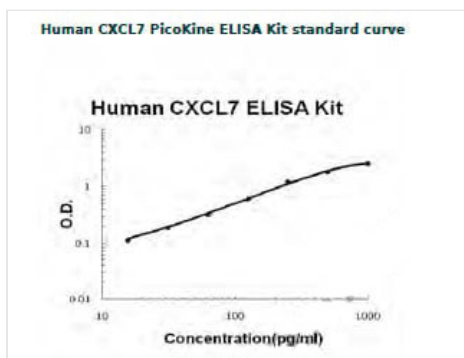
PRODUCT SYNONYMS

CXCL7; Human CXCL7 PicoKine ELISA Kit; C-X-C motif chemokine 7; chemokine (C-X-C motif) ligand 7; B TG1; Beta TG; Beta thromboglobulin; C X C motif chemokine 7; Connective tissue activating peptide III; CTAP 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 (chemokine (C X C motif) ligand 7); SCYB7; 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; CXCL7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human PPBP
Sequence Length	128
Samples	Cell culture supernatants, cell lysates, serum and plasma (heparin, edta)
Detection Range	15.6 pg/ml - 1,000 pg/ml
Sensitivity	<2 pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CXCL7 elisa kit	Principle of the Assay: The Picokine™ Human PPBP Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human PPBP with a 96-well strip plate that is pre-coated with antibody specific for PPBP. The detection antibody is a biotinylated antibody specific for PPBP. The capture antibody is polyclonal antibody from goat and the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human PPBP with immunogen: Expression system for standard: E.coli; Immunogen sequence: A59-D128. The kit is analytically validated with ready-to-use reagents. To measure Human PPBP, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human PPBP in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human PPBP in the sample. Background/Introduction: 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.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	129874
NCBI GeneID	5473
UniProt Accession #	P02775; Q6IBJ8; B2R5F3; AAB46877
Molecular Weight	13,894 Da
NCBI Official Full Name	Platelet basic protein
NCBI Official Synonym Full Names	pro-platelet basic protein (chemokine (C-X-C motif) ligand 7)
NCBI Official Symbol	PPBP
NCBI Official Synonym Symbols	PBP; TC1; TC2; TGB; LDGF; MDGF; TGB1; B-TG1; CTAP3; CXCL7; NAP-2; SCYB7; THBGB; LA-PF4; THBGB1; Beta-TG; CTAPIII; CTAP-III
NCBI Protein Information	platelet basic protein; thrombocidin 1; thrombocidin 2; beta-thromboglobulin; CXC chemokine ligand 7; C-X-C motif chemokine 7; thromboglobulin, beta-1; small inducible cytokine B7; small-inducible cytokine B7; leukocyte-derived growth factor; low-affinity platelet factor IV; neutrophil-activating peptide 2; neutrophil-activating peptide-2; macrophage-derived growth factor; connective tissue-activating peptide III; small inducible cytokine subfamily B, member 7
UniProt Protein Name	Platelet basic protein
UniProt Gene Name	PPBP
UniProt Synonym Gene Names	CTAP3; CXCL7; SCYB7; TGB1; THBGB1; PBP; LDGF; MDGF; CTAP-III; CTAP-III(1-81); Beta-TG; NAP-2(74); NAP-2(73); NAP-2; NAP-2(1-66); NAP-2(1-63)
UniProt Entry Name	CXCL7_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.