

PPBP/CXCL7 elisa kit

Rat PPBP/CXCL7 PicoKine ELISA Kit

CATALOG # AAA124808	REACTIVITY Rat There is no detectable cross-reactivity with other relevant proteins.	APPLICATIONS ELISA
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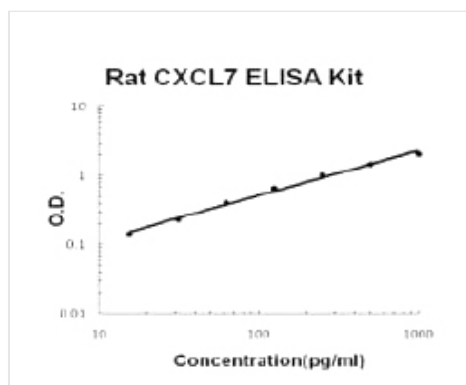
PRODUCT SYNONYMS

PPBP/CXCL7; Rat PPBP/CXCL7 PicoKine ELISA Kit; CXC chemokine RTCK1; PPBP/CXCL7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat There is no detectable cross-reactivity with other relevant proteins.
Specificity	Natural and recombinant Rat PPBP/CXCL7
Sequence Length	111
Assay Type	Quantitative Sandwich
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	<2pg/ml
Applicable Applications for PPBP/CXCL7 elisa kit	ELISA
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 between 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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PPBP/CXCL7 elisa kit	Principle of the Assay: Rat PPBP/CXCL7 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for PPBP/CXCL7 has been precoated onto 96-well plates. Standards(Expression system for standard: E.coli, Immunogen sequence: K38-Y111) and test samples are added to the wells, a biotinylated detection biotinylated polyclonal antibody from goat specific for PPBP/CXCL7 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat PPBP/CXCL7 amount of sample captured in plate. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	24308468
NCBI GeneID	246358
NCBI Accession #	NP_714943.1
NCBI GenBank Nucleotide #	NM_153721.1
UniProt Accession #	Q99ME0
Molecular Weight	12,159 Da
NCBI Official Full Name	platelet basic protein
NCBI Official Synonym Full Names	pro-platelet basic protein
NCBI Official Symbol	Pbp
NCBI Official Synonym Symbols	Cxcl7; Nap-2
NCBI Protein Information	platelet basic protein
UniProt Protein Name	CXC chemokine RTCK1
UniProt Gene Name	Pbp

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/ppbp-cxcl7/124808>