

Mouse CXCL3 PicoKine ELISA Kit | Cxcl3 elisa kit

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CATALOG #
AAA46177

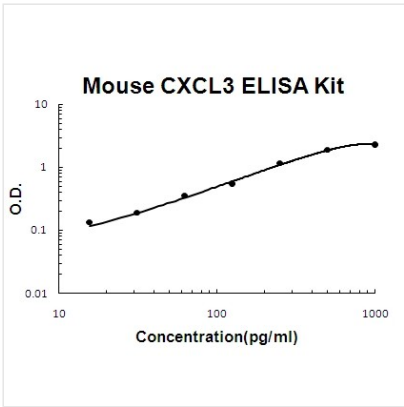
REACTIVITY
Mouse

PRODUCT SYNONYMS

CXCL3 PicoKine; Mouse CXCL3 PicoKine ELISA Kit; C-X-C motif chemokine 3; Chemokine (CXC motif) ligand 3; Cinc 2; CINC 2b; Cinc2; CINC2b; CXCL 3; Cxcl3; CXCL3_HUMAN; Cytokine induced neutrophil chemoattractant 2; Dcip1; Dendritic cell inflammatory protein 1; Gm1960; GRO protein gamma; GRO-gamma; GRO-gamma(1-73); GRO-gamma(5-73); GRO3; GRO3 oncogene; GROG; Growth regulated protein gamma; Growth-regulated protein gamma; Macrophage inflammatory protein 2 beta precursor; Macrophage inflammatory protein 2-beta; Melanoma growth stimulatory activity gamma; Member 3; MGSA gamma; MIP 2b; MIP2-beta; MIP2B; SCYB3; Small inducible cytokine subfamily B; chemokine (C-X-C motif) ligand 3; Cxcl3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse CXCL3
Sequence Length	100
Assay Range	15.6pg/ml-1000pg/ml
Sensitivity	<10pg/ml
Sample	For quantitative detection of mouse CXCL3 in cell culture supernates, serum and plasma(heparin, EDTA).
Immunogen	E Coli, S32-S100
Assay Procedure Step 1	Aliquot 0.1ml per well of the 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml, 15.6pg/ml mouse CXCL3 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 mouse cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each mouse CXCL3 standard solution and each sample be measured in duplicate.
Intra-Assay Precision	Inter-Assay Precision Sample 1 2 3 1 2 3 n 16 16 16 24 24 24 Mean(pg/ml) 37.7 118 621 38.2 128 642 Standard deviation 1.39 5.43 32.91 2.56 8.70 49.43 CV(%) 3.7 4.6 5.3 6.7 6.8 7.7
Sample Data	Concentration(pg/ml) 0 15.6 31.2 62.5 125 250 500 1000 O.D. 0.062 0.133 0.187 0.347 0.539 1.142 1.848 2.270
Anticoagulant	Heparin or EDTA
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.



Standard Curve (Sample)
Mouse CXCL3 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for Cxcl3 elisa kit	Principle of the assay: Mouse CXCL3 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for CXCL3 has been precoated onto 96-well plates. Standards(E Coli, S32-S100) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for CXCL3 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 mouse CXCL3 amount of sample captured in plate. Background: Chemokine (C-X-C motif) ligand 3 (CXCL3) is a small cytokine belonging to the CXC chemokine family. It is mapped to 14p2 in rat. CXCL3 controls migration and adhesion of monocytes and mediates its effects on its target cell by interacting with a cell surface chemokine receptor. It has been shown that CXCL3 regulates cell autonomously the migration of the precursors of cerebellar granule neurons toward the internal layers of cerebellum, during the morphogenesis of cerebellum. CXCL3 also play fundamental roles in the development, homeostasis and it has effects on cells of the central nervous system as well as on endothelial cells involved in angiogenesis or angiostasis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	42600573
NCBI GeneID	330122
NCBI Accession #	NP_976065.1
NCBI GenBank Nucleotide #	NM_203320.3
UniProt Accession #	Q6W5C0; Q3UNK9
Molecular Weight	10,686 Da
NCBI Official Full Name	C-X-C motif chemokine 3
NCBI Official Synonym Full Names	chemokine (C-X-C motif) ligand 3
NCBI Official Symbol	Cxcl3
NCBI Official Synonym Symbols	Dcip1; Gm1960
NCBI Protein Information	C-X-C motif chemokine 3
UniProt Protein Name	C-X-C motif chemokine 3
UniProt Gene Name	Cxcl3

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/mouse-elisa-kits/cxcl3-picokine/46177>