

Mouse CXCL9 PicoKine ELISA Kit | Cxcl9 elisa kit

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CATALOG #
AAA46165

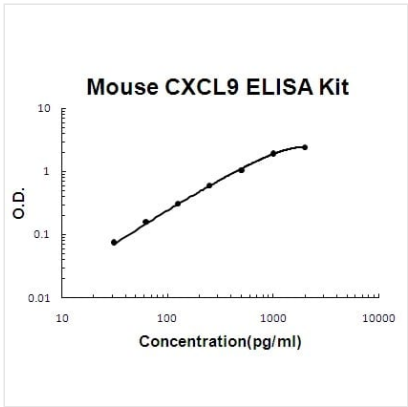
REACTIVITY
Mouse

PRODUCT SYNONYMS

CXCL9 PicoKine; Mouse CXCL9 PicoKine ELISA Kit; C-X-C motif chemokine 9; Chemokine (C-X-C motif) ligand 9; CMK; Crg 10; CXCL9; CXCL9_HUMAN; Gamma interferon induced monokine; Gamma-interferon-induced monokine; HuMIG; MIG; Monokine induced by gamma interferon; Monokine induced by interferon gamma; Monokine induced by interferon-gamma; SCYB9; Small inducible cytokine B9; Small inducible cytokine subfamily B member 9; Small-inducible cytokine B9; chemokine (C-X-C motif) ligand 9; Cxcl9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse CXCL9
Sequence Length	126
Assay Range	31.2pg/ml-2000pg/ml
Sensitivity	<10pg/ml
Sample	For quantitative detection of mouse CXCL9 in cell culture supernates, serum and plasma(EDTA).
Immunogen	E Coli, T22-T126
Assay Procedure Step 1	Aliquot 0.1ml per well of the 2000pg/ml,1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml mouse CXCL9 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(EDTA) to each empty well. It is recommended that each mouse CXCL9 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) 113 468 1221 126 471 1288 Standard deviation 4.86 22.00 69.60 10.46 41.92 117.21 CV(%) 4.3 4.7 5.7 8.3 8.9 9.1
Sample Data	Concentration(pg/ml) 0 31.2 62.5 125 250 500 1000 2000 O.D. 0.031 0.074 0.157 0.305 0.587 1.032 1.901 2.369
Anticoagulant	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 CXCL9 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for Cxcl9 elisa kit	Principle of the assay: Mouse CXCL9 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for CXCL9 has been precoated onto 96-well plates. Standards(E Coli, T22-T126) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for CXCL9 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 CXCL9 amount of sample captured in plate. Background: Chemokine (C-X-C motif) ligand 9 (CXCL9) is a small cytokine belonging to the CXC chemokine family that is also known as Monokine induced by gamma interferon (MIG). CXCL9 is a T-cell chemoattractant, which is induced by IFN-gamma. It is closely related to two other CXC chemokines called CXCL10 and CXCL11, whose genes are located near the gene for CXCL9 on human chromosome 4. CXCL9, CXCL10 and CXCL11 all elicit their chemotactic functions by interacting with the chemokine receptor CXCR3. The standard product used in this kit is recombinant human CXCL9, consisting of 103 amino acids with the molecular mass of 11.7KDa.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	110626107
NCBI GeneID	17329
NCBI Accession #	NP_032625.2
NCBI GenBank Nucleotide #	NM_008599.4
UniProt Accession #	P18340; Q8C9J0; Q99J60
Molecular Weight	14,444 Da
NCBI Official Full Name	C-X-C motif chemokine 9
NCBI Official Synonym Full Names	chemokine (C-X-C motif) ligand 9
NCBI Official Symbol	Cxcl9
NCBI Official Synonym Symbols	CMK; Mig; MuMIG; Scyb9; crg-10; BB139920
NCBI Protein Information	C-X-C motif chemokine 9
UniProt Protein Name	C-X-C motif chemokine 9
UniProt Gene Name	Cxcl9

UniProt Synonym Gene Names	Mig; Scyb9; MIG; MuMIG
UniProt Entry Name	CXCL9_MOUSE

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.

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Online datasheet: <https://www.aaabiotech.com/mouse-elisa-kits/cxcl9-picokine/46165>