

Human CCL1 ELISA Kit | CCL1 elisa kit

Human CCL1 PicoKine Quick ELISA Kit

CATALOG # AAA126791	REACTIVITY Human	APPLICATIONS ELISA
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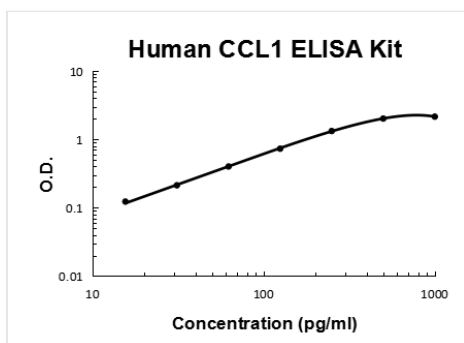
PRODUCT SYNONYMS

CCL1; Human CCL1 PicoKine Quick ELISA Kit; CCL1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human CCL1
Assay Type	Sandwich
Samples	Cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA)
Detection Range	15.6 pg/ml - 1,000 pg/ml
Sensitivity	<4 pg/ml
Applicable Applications for CCL1 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 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 (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)

IMAGES



Standard Curve (Sample)

Human CCL1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CCL1 elisa kit	Background: CCL1, Chemokine(C-C motif) ligand 1, is one of several cytokine genes clustered on the q-arm of chromosome 17. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The protein encoded by this gene is structurally related to the CXC subfamily of cytokines. Members of this subfamily are characterized by two cysteines separated by a single amino acid. This cytokine is secreted by activated T cells and displays chemotactic activity for monocytes but not for neutrophils. It binds to the chemokine receptor CCR8. Principle of the Assay: The Quick Picokine™ Human CCL1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human CCL1 in cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA). It uses our proprietary Quick ELISA technology. Quick ELISA technology employs capture antibodies conjugated to an affinity tag that is recognized by the polyclonal antibody used to coat our Quick ELISA plates. This approach to sandwich ELISA allows the formation of the antibody-analyte sandwich complex in a single step, significantly reducing assay time. The kit includes Human CCL1 protein as standards. To measure Human CCL1, add standards and samples to the wells, then add antibody cocktail. Wash the wells 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 is linearly proportional to Human CCL1 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 CCL1 in the sample.
Product Categories/Family for CCL1 elisa kit	PicoKine ELISA Kits, Fast ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506833
NCBI GeneID	6346
NCBI Accession #	NP_002972.1
NCBI GenBank Nucleotide #	NM_002981.2
UniProt Accession #	P22362; Q2M309; B2R5G9
Molecular Weight	10,992 Da
NCBI Official Full Name	C-C motif chemokine 1
NCBI Official Synonym Full Names	chemokine (C-C motif) ligand 1
NCBI Official Symbol	CCL1
NCBI Official Synonym Symbols	P500; SISE; TCA3; I-309; SCYA1
NCBI Protein Information	C-C motif chemokine 1; T lymphocyte-secreted protein I-309; inflammatory cytokine I-309; small inducible cytokine A1 (I-309, homologous to mouse Tca-3)
UniProt Protein Name	C-C motif chemokine 1
UniProt Gene Name	CCL1
UniProt Synonym Gene Names	SCYA1
UniProt Entry Name	CCL1_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.