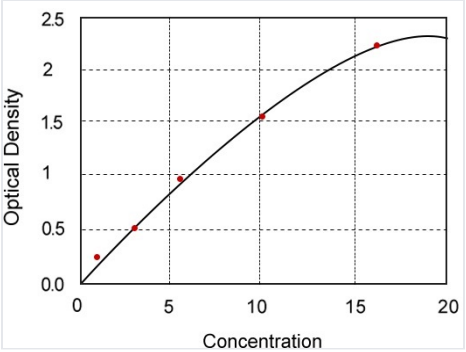
Chemokine (C-C Motif) Ligand 1 (CCL1) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Chemokine (C-C motif) ligand 1 (CCL1), ELISA Kit
Full Product Name	Human Chemokine (C-C motif) ligand 1 (CCL1) ELISA Kit
Product Gene Name	CCL1 elisa kit
Species Reactivity	Human
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, cell culture supernates, cell lysates, tissue homogenates
Detection Range	2ng/L - 600ng/L
Sensitivity	0.93ng/L
Preparation and Storage	Store at 2 to 8 degree C for 6 months.
Molecular Weight	12,248 Da
Intra-Assay	CV<8%
Inter-Assay	CV<10%
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CCL1 elisa kit	Intended Uses: This sandwich kit is for the accurate quantitative detection of human Chemokine (C-C Motif) Ligand 1 (also known as CCL1) in serum, plasma, cell culture supernates, cell lysates, tissue homogenates. Principles of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with human CCL1 antibody. CCL1 present in the sample is added and binds to antibodies coated on the wells. And then biotinylated human CCL1 Antibody is added and binds to CCL1 in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated CCL1 antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of human CCL1. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.
Other Notes	Small volumes of CCL1 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CCL1 purchase	MBS167597 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Chemokine (C-C motif) ligand 1 (CCL1) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing CCL1. The ELISA analytical biochemical technique of the MBS167597 kit is based on CCL1 antibody-CCL1 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CCL1 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CCL1. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).



Typical Testing Data/Standard Curve (for reference only) of CCL1 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CCL1. It may not necessarily be applicable to this product.

NCBI GI #	4204910
NCBI GeneID	6359
NCBI Accession #	AAD10847.1
UniProt Secondary Accession #	Q9UM74; B2RU34; E1P651
UniProt Related Accession #	Q16663
NCBI Official Full Name	chemokine
NCBI Official Synonym Full Names	C-C motif chemokine ligand 15
NCBI Official Symbol	CCL15
NCBI Official Synonym Symbols	LKN1; NCC3; SY15; HCC-2; LKN-1; MIP-5; NCC-3; SCYL3; MIP-1D; MRP-2B; SCYA15; HMRP-2B; MIP-1 delta
UniProt Protein Name	C-C motif chemokine 15
UniProt Synonym Protein Names	Chemokine CC-2; HCC-2
Protein Family	C-C motif chemokine
UniProt Gene Name	CCL15
UniProt Synonym Gene Names	MIP5; NCC3; SCYA15; HCC-2; LKN-1; MIP-5
NCBI Protein Information	C-C motif chemokine 15
NCBI Summary for CCL1	This gene is located in a cluster of similar genes in the same region of chromosome 17. These genes encode CC cytokines, which are secreted proteins characterized by two adjacent cysteines. The product of this gene is chemotactic for T cells and monocytes, and acts through C-C chemokine receptor type 1 (CCR1). The proprotein is further processed into numerous smaller functional peptides. Naturally-occurring readthrough transcripts occur from this gene into the downstream gene, CCL14 (chemokine (C-C motif) ligand 14). [provided by RefSeq, Jan 2013]
UniProt Comments for CCL1	Chemotactic factor that attracts T-cells and monocytes, but not neutrophils, eosinophils, or B-cells. Acts mainly via CC chemokine receptor CCR1. Also binds to CCR3. CCL15(22-92), CCL15(25-92) and CCL15(29-92) are more potent chemoattractants than the small-inducible cytokine A15.
Research Articles on CCL1	**1.** CCL15 secreted from SMAD4-deficient xenografted human colorectal cancer cells recruited CCR1(+) cells, promoting their metastatic activities to the lung. Lung metastases from colorectal cancer patients revealed that CCL15 expression correlated with loss of SMAD4. CCL15-positive metastases recruited approximately 1.9 times more numbers of CCR1(+) cells than CCL15-negative metastases.
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