

Human CCL20 ELISA Kit | CCL20 elisa kit

Human CCL20 ELISA Kit

CATALOG # AAA105798	REACTIVITY Human	APPLICATIONS ELISA
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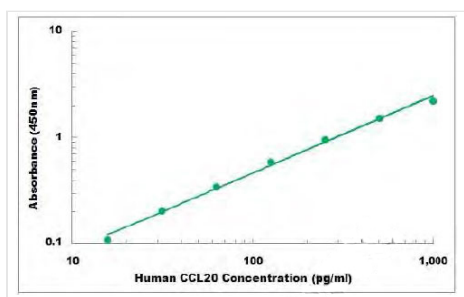
PRODUCT SYNONYMS

CCL20; Human CCL20 ELISA Kit; LARC; MIP3A; SCYA20; C-C motif chemokine 20; Beta-chemokine exodus-1; CC chemokine LARC; Liver and activation-regulated chemokine; Macrophage inflammatory protein 3 alpha; MIP-3-alpha; Small-inducible cytokine A20; CCL20 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human CCL20 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human CCL20 proteins within the range of 15.6 pg/ml - 1000 pg/ml.
Sequence Length	95
Samples	Cell culture supernatants, serum, plasma
Sensitivity	< 8 pg/ml
Applicable Applications for CCL20 elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CCL20 elisa kit	Principle of the Assay: The AAA Biotech' Human CCL20 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human CCL20 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Human CCL20 coated on a 96-well plate. Standards and samples are pipetted into the wells and CCL20 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human CCL20 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of CCL20 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background/Introduction: Macrophage Inflammatory Protein 3alpha (MIP3alpha), also called Chemokine, cc motif, ligand 20 (CCL20). The MIP-3alpha/CCL20 gene was cloned and sequenced, revealing a four exon, three intron structure, and was localized by FISH analysis to 2q35-q36. MIP3alpha is predominantly expressed in lymph nodes, appendix, PBL, fetal liver, fetal lung and several cell lines. MIP3alpha/CCL20 and its receptor CCR6 are markedly up-regulated in psoriasis, and they may play a role in the recruitment of T cells to lesional psoriatic skin. And Alanine MIP-3alpha and Serine MIP-3alpha, the two forms of MIP3alpha, that differ by one amino acid at the predicted signal peptide cleavage site. Both of them were chemically synthesized and tested for biological activity. And both flu antigen plus IL-2-activated CD4 (+) and CD8 (+) T lymphoblasts and cord blood-derived dendritic cells responded to Ser and Ala MIP-3alpha.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	194239688
NCBI GeneID	6364
NCBI Accession #	NP_001123518.1
NCBI GenBank Nucleotide #	NM_001130046.1
UniProt Accession #	P78556; Q53S51; Q99664
Molecular Weight	10,691 Da
NCBI Official Full Name	C-C motif chemokine 20 isoform 2
NCBI Official Synonym Full Names	chemokine (C-C motif) ligand 20
NCBI Official Symbol	CCL20
NCBI Official Synonym Symbols	CKb4; LARC; ST38; MIP3A; Exodus; MIP-3a; SCYA20; MIP-3-alpha
NCBI Protein Information	C-C motif chemokine 20; CC chemokine LARC; beta chemokine exodus-1; small-inducible cytokine A20; macrophage inflammatory protein 3 alpha; liver and activation-regulated chemokine; small inducible cytokine subfamily A (Cys-Cys), member 20
UniProt Protein Name	C-C motif chemokine 20
UniProt Gene Name	CCL20
UniProt Synonym Gene Names	LARC; MIP3A; SCYA20; MIP-3-alpha
UniProt Entry Name	CCL20_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.