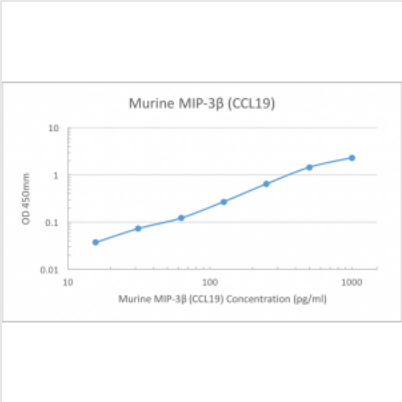
MIP-3beta (CCL19) (MIP-3beta) ELISA Kit for Murine

PRODUCT OVERVIEW

Product Name	MIP-3beta (CCL19), ELISA Kit
Full Product Name	Murine MIP-3beta (CCL19) Pre-Coated ELISA Kit
Product Gene Name	MIP-3beta elisa kit
Species Reactivity	Murine
Assay Type	Solid Phase Sandwich ELISA: 96-Well Strip Plate
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	<10pg/ml
Specificity	Natural and recombinant Murine MIP-3beta (CCL19)
Preparation and Storage	Store the unopened product at 2-8 degree C.
Molecular Weight	11,911 Da
3D Structure	ModBase 3D Structure for O70460
Components	Anti-Murine MIP-3beta (CCL19) Pre-coated 96-well strip microplate Murine MIP-3beta (CCL19) Standard Murine MIP-3beta (CCL19) Biotinylated antibody (100x) Avidin-Biotin-Peroxidase Complex (100x) Sample Diluent Antibody Diluent Avidin-Biotin-Peroxidase Diluent Wash Buffer Concentrate (Powder for 1000mL) Color Developing Reagent Stop Solution Plate Sealers
Interference	No detectable cross-reactivity with other relevant proteins
Related Product Information for MIP-3beta elisa kit	MIP-3beta is a CC chemokine, expressed in the thymus, lymph nodes, and in activated bone marrow stromal cells that signals through the CCR7 receptor. MIP-3beta is a chemoattractant for T and B lymphocytes, and myeloid progenitor cells. Murine MIP-3beta (CCL19) Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure MIP-3beta (CCL19) with a 96-well strip plate that is pre-coated with mouse monoclonal antibody specific for MIP-3beta (CCL19). It contains E Coli-expressed recombinant MIP-3beta (CCL19). The detection antibody is a biotinylated goat polyclonal antibody specific for MIP-3beta (CCL19). The kit is analytically validated with ready to use reagents.
Other Notes	Small volumes of MIP-3beta 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 MIP-3beta purchase	MBS697415 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the MIP-3beta (CCL19) 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 MIP-3beta. The ELISA analytical biochemical technique of the MBS697415 kit is based on MIP-3beta antibody-MIP-3beta antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect MIP-3beta antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, MIP-3beta. 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 MIP-3beta elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MIP-3beta. It may not necessarily be applicable to this product.

NCBI GI #	6755422
NCBI GeneID	24047
NCBI Accession #	NP_036018.1
UniProt Primary Accession #	O70460
UniProt Related Accession #	O70460
GenBank Nucleotide #	NM_011888.2
NCBI Official Full Name	C-C motif chemokine 19
NCBI Official Synonym Full Names	chemokine (C-C motif) ligand 19
NCBI Official Symbol	Ccl19
NCBI Official Synonym Symbols	ELC; CKb11; MIP3B; Scya19; exodus-3
UniProt Protein Name	C-C motif chemokine 19
UniProt Synonym Protein Names	Epstein-Barr virus-induced molecule 1 ligand chemokine; EBI1 ligand chemokine; ELC; Small-inducible cytokine A19
UniProt Gene Name	Ccl19
UniProt Synonym Gene Names	Elc; Scya19; EBI1 ligand chemokine; ELC
UniProt Entry Name	CCL19_MOUSE
NCBI Protein Information	C-C motif chemokine 19; EBI-1 ligand chemokine; EBI1 ligand chemokine; EBI1-ligand chemokine; EBV-induced molecule 1 ligand chemokine; chemokine CCL19; epstein-Barr virus-induced molecule 1 ligand chemokine; small inducible cytokine A19; small-inducible c

UniProt Comments for MIP-3beta	CCL19: May play a role not only in inflammatory and immunological responses but also in normal lymphocyte recirculation and homing. May play an important role in trafficking of T-cells in thymus, and T-cell and B-cell migration to secondary lymphoid organs. Specifically binds to chemokine receptor CCR7. Recombinant CCL19 shows potent chemotactic activity for T-cells and B-cells but not for granulocytes and monocytes. Belongs to the intercrine beta (chemokine CC) family. Protein type: Secreted; Motility/polarity/chemotaxis; Secreted, signal peptide Cellular Component: cell; intracellular; cytosol; external side of plasma membrane Molecular Function: CCR chemokine receptor binding; chemokine activity; chemokine receptor binding; CCR10 chemokine receptor binding Biological Process: positive regulation of protein kinase B signaling cascade; myeloid dendritic cell chemotaxis; positive regulation of I-kappaB kinase/NF-kappaB cascade; release of sequestered calcium ion into cytosol; positive regulation of protein kinase activity; positive regulation of JNK cascade; dendritic cell chemotaxis; positive regulation of phosphoinositide 3-kinase activity; establishment of T cell polarity; positive regulation of NF-kappaB import into nucleus
Research Articles on MIP-3beta	**1.** CCL19 (ELC) improves TH1-polarized immune responses and protective immunity in a murine Her2/neu DNA vaccination model.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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