



Anti-CCL19 polyclonal antibody (CPBT-65217RH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview

Rabbit anti Human MIP-3 beta antibody recognizes human MIP-3 beta, (Macrophage Inflammatory Protein 3 beta), otherwise known as CCL19, a 77 amino acid CC chemokine expressed at high levels in the thymus and lymph nodes and to a lesser extent in the spleen, kidney, lungs, small intestine and stomach. MIP-3 beta acts as a chemoattractant for T and B lymphocytes, dendritic cells, NK cells and myeloid progenitor cells, through specific binding to CCR7, a G-protein coupled receptor known to be up-regulated by Epstein-Barr virus infected B cells and herpesvirus infected T cells. A correlation between the response to MIP-3 beta and the level of CCR7 expression and has been revealed in the maturation of dendritic cells (DCs), and increased levels of both MIP-3 beta and CCR7 expression have been shown in bronchoalveolar lavage fluid (BALF) and BALF cells from patients with the granulomatous disorder sarcoidosis, associated predominantly with CD4+ T lymphocyte alveolitis, and hence T cell recruitment.

Specificity	MIP-3 BETA
Immunogen	Recombinant human MIP-3 beta.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Conjugate	Biotin
Applications	ELISA; WB
Format	Purified IgG conjugated to Biotin - lyophilised
Size	50 µg

Preservative	None
Storage	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	CCL19 chemokine (C-C motif) ligand 19 [Homo sapiens (human)]
Official Symbol	CCL19
Synonyms	CCL19; chemokine (C-C motif) ligand 19; ELC; CKb11; MIP3B; MIP-3b; SCYA19; C-C motif chemokine 19; exodus-3; CK beta-11; MIP-3-beta; EBI1 ligand chemokine; EBI1-ligand chemokine; CC chemokine ligand 19; beta chemokine exodus-3; beta-chemokine exodus-3; sm
Entrez Gene ID	6363
Protein Refseq	NP_006265
UniProt ID	Q99731
Chromosome Location	9p13
Pathway	Chemokine receptors bind chemokines; Chemokine signaling pathway; Class A/1 (Rhodopsin-like receptors); Cytokine-cytokine receptor interaction; Defective ACTH causes Obesity and Pro-opiomelanocortin deficiency (POMCD); Disease; G alpha (i) signalling events; GPCR downstream signaling;
Function	CCR chemokine receptor binding; CCR10 chemokine receptor binding; CCR7 chemokine receptor binding; chemokine activity; chemokine receptor binding;