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Product datasheet for PP1053P2

Macrophage Inflammatory Protein 3 beta (CCL19) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, FN, WB
Recommended Dilution:	Neutralization: To yield one-half maximal inhibition [ND50] of the biological activity of hMIP-3 beta (100 ng/ml), a concentration of 2.7 - 4.0 µg/ml of this antibody is required. ELISA: To detect hMIP-3 beta by direct ELISA (using 100 µl/well antibody solution) a concentration of at least 0.5 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of 0.2-0.4 ng/well of recombinant hMIP-3 beta. Western Blot: To detect hMIP-3 beta by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hMIP-3 beta is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure (>98%) recombinant hMIP-3 beta.
Specificity:	This antibody reacts with human Macrophage Inflammatory Protein-3 beta (hMIP-3 beta).
Formulation:	PBS, pH 7.2 without preservatives. State: Aff - Purified State: Lyophilized purified Ig fraction.
Reconstitution Method:	Restore in sterile water to a concentration of 0.1-1.0 mg/ml.
Purification:	Affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody prior to reconstitution at -20°C. Following reconstitution the antibody can be stored at 2-8°C for one month or at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	C-C motif chemokine ligand 19

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Database Link: Entrez Gene 6363 Human
Q99731

Background: MIP3 chemokines are among many novel beta chemokines recently identified through bioinformatics in the Expressed Sequence Tag (EST) database. They are distantly related to other beta chemokines (20-30% aa sequence homology). MIP3 chemokines are useful probes for studying the biology of inflammation and cell migration. Their expression is strongly up-regulated by inflammatory signals and down-regulated by the anti-inflammatory cytokine IL10. MIP3 beta is also known as ELC (EBI1-1 ligand chemokine) and is constitutively expressed in various lymphoid tissues (thymus, lymph nodes, appendix and spleen). MIP3 beta is a chemoattractant for cultured human lymphocytes, dendritic cells, human T lymphoblastoid CEM NKR2 and hemopoietic progenitor cells. It may be involved in G Protein activation in human NK cells. MIP3 beta is a unique functional ligand for CCR7. The MIP3 beta gene has been mapped to chormosome 9p13.

Synonyms: C-C motif chemokine 19, CCL-19, ELC, MIP3B, MIP-3 beta, Small-inducible cytokine A19, SCYA19, Exodus-3

Note: Centrifuge vial prior to opening!