Mouse CCL19/MIP-3β Biotinylated Antibody

Antigen Affinity-purified Polyclonal Goat IgG

Catalog Number: BAF880

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse CCL19/MIP-3β in ELISAs and Western blots. In sandwich immunoassays, less than 0.1% cross-reactivity with recombinant mouse (rm) TECK, rmTARC, recombinant human MIP-3β, rmMIP-1α, rmMIP-1β, rm6Ckine, and rmRANTES is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant mouse CCL19/MIP-3β (R&D Systems, Catalog # 440-M3) Gly26-Val107 Accession # Q548P0
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Mouse CCL19/MIP-3β (Catalog # 440-M3)
Mouse CCL19/MIP-3β Sandwich Immunoassay		**Reagent**
ELISA Capture	2-8 µg/mL	Mouse CCL19/MIP-3β Antibody (Catalog # MAB880)
ELISA Detection	0.1-0.4 µg/mL	Mouse CCL19/MIP-3β Biotinylated Antibody (Catalog # BAF880)
Standard		Recombinant Mouse CCL19/MIP-3β (Catalog # 440-M3)

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

CCL19/MIP-3β, also known as ELC (EBI1-Ligand Chemokine), is a reported β chemokine that binds specifically to the chemokine receptor CCR-7/EBI-1/BLR-2. Mouse MIP-3β cDNA encodes a 108 amino acid residue precursor protein with a predicted 25 aa residue signal peptide that is cleaved to form the 83 aa residue mature secreted protein. MIP-3β is distantly related to other β chemokines (20-30% aa sequence identity). Mouse MIP-3β shares 83% aa sequence homology with human MIP-3β. MIP-3β has been shown to be constitutively expressed in various lymphoid tissues (including thymus, lymph nodes, appendix, and spleen) in dendritic cells within the T cell zone. The expression of MIP-3β is down-regulated by the anti-inflammatory cytokine IL-10. The MIP-3β receptor (CCR7/EBI-1/BLR-2) is expressed in various lymphoid tissues and activated B and T lymphocytes. CCR7 is also strongly up-regulated in B-cells infected with Epstein-Barr virus and T cells infected with herpes virus 6 or 7.

References:

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3. Rossi, D.L. *et al.* (1997) J. Immunol. **158**:1033.
4. Yoshida, R. *et al.* (1997) J. Biol. Chem. **272**:13803.

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