

DESCRIPTION

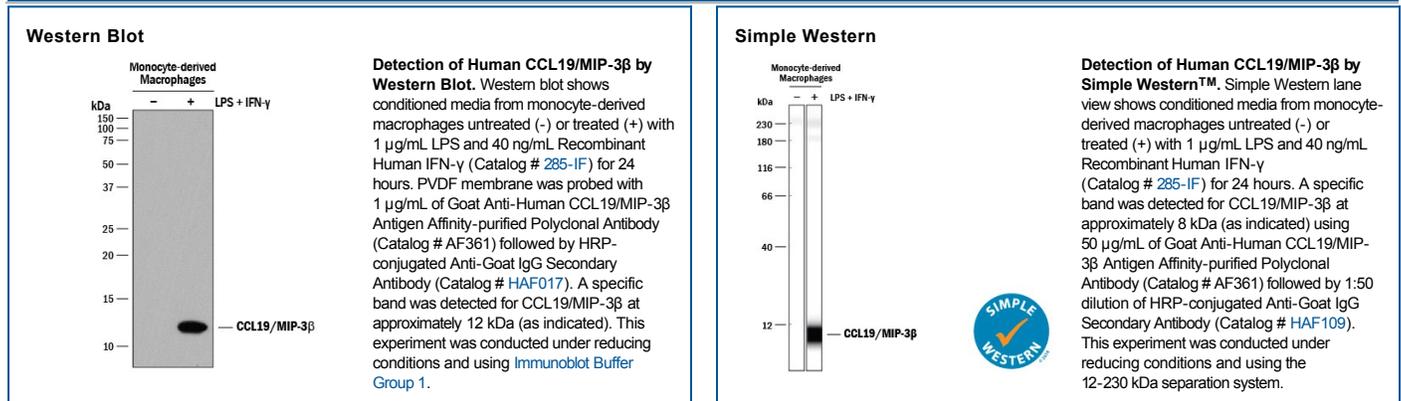
Species Reactivity	Human
Specificity	Detects human CCL19/MIP-3 β in ELISAs and Western blots. In sandwich immunoassays, less than 0.05% cross-reactivity with recombinant mouse (rm) MIP-3 β , recombinant human (rh) GRO α , rhHCC-4, rhEotaxin, rmMIP-3 α , recombinant rat MIP-3 α , and rhMIP-3 α is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human CCL19/MIP-3 β (R&D Systems, Catalog # 361-MI) Gly22-Ser98 Accession # Q99731
Endotoxin Level	<0.10 EU per 1 μ g of the antibody by the LAL method.
Formulation	Lyophilized from a 0.2 μ m filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 μ m filtered solution in PBS.

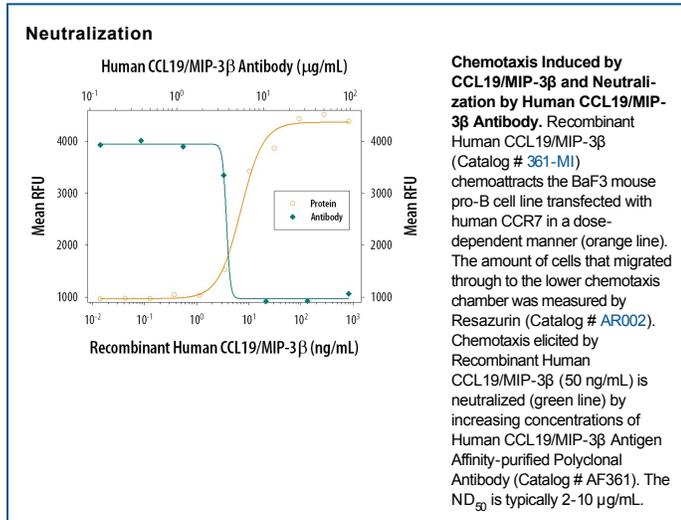
APPLICATIONS

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	1 μ g/mL	See Below
Simple Western	50 μ g/mL	See Below
Human CCL19/MIP-3β Sandwich Immunoassay		Reagent
ELISA Capture	0.2-0.8 μ g/mL	Human CCL19/MIP-3 β Antibody (Catalog # AF361)
ELISA Detection	0.1-0.4 μ g/mL	Human CCL19/MIP-3 β Biotinylated Antibody (Catalog # BAF361)
Standard		Recombinant Human CCL19/MIP-3 β (Catalog # 361-MI)
Neutralization	Measured by its ability to neutralize CCL19/MIP-3 β -induced chemotaxis in the BaF3 mouse pro-B cell line transfected with human CCR7. The Neutralization Dose (ND ₅₀) is typically 2-10 μ g/mL in the presence of 50 ng/mL Recombinant Human CCL19/MIP-3 β .	

DATA





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.
*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

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

MIP-3 β , also known as ELC (EBI1-Ligand Chemokine), is one of many novel β chemokines identified through bioinformatics. MIP-3 β cDNA encodes a 98 amino acid (aa) residue precursor protein with a predicted 21 aa residue signal peptide that is cleaved to form the 77 aa residue mature secreted protein. MIP-3 β is distantly related to other β chemokines (20-30% aa sequence identity) and the gene for MIP-3 β has been mapped to chromosome 9p13 rather than chromosome 17 where the genes for many human β chemokines are clustered. MIP-3 β has been shown to be constitutively expressed in various lymphoid tissues (including thymus, lymph nodes, appendix and spleen). The expression of MIP-3 β is down-regulated by the anti-inflammatory cytokine IL-10. MIP-3 β has been shown to be a unique functional ligand for CCR7 (previously referred to as the Epstein-Barr virus-induced gene 1 (EBI1) orphan receptor), a chemokine receptor that is expressed in various lymphoid tissues and activated B and T lymphocytes. EBI1 is strongly up-regulated in B cells infected with Epstein-Barr virus and T cells infected with herpesvirus 6 or 7.