

DESCRIPTION

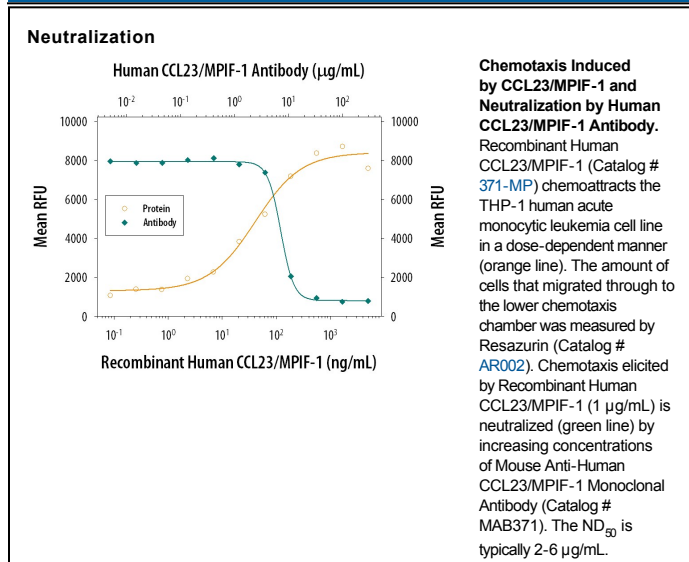
Species Reactivity	Human
Specificity	Detects human CCL23/MPIF-1 in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG ₁ Clone # 69512
Purification	Protein A or G purified from ascites
Immunogen	<i>E. coli</i> -derived recombinant human CCL23/MPIF-1 Arg22-Asn120 Accession # P55773
Endotoxin Level	<0.10 EU per 1 µg of the antibody by the LAL method.
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm 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 µg/mL	Recombinant Human CCL23/MPIF-1 (Catalog # 371-MP)
Intracellular Staining by Flow Cytometry	0.25 µg/10 ⁶ cells	Human monocyte-derived dendritic cells treated with Recombinant Human IL-4 (Catalog # 204-IL), Recombinant Human GM-CSF (Catalog # 215-GM), Recombinant Human TNF-α (Catalog # 210-TA), and Recombinant Human IL-1β/IL-1F2 (Catalog # 201-LB) fixed with paraformaldehyde and permeabilized with saponin
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	
Neutralization	Measured by its ability to neutralize CCL23/MPIF-1-induced chemotaxis in the THP-1 human acute monocytic leukemia cell line. Howell, D. N. <i>et al.</i> , 1985, <i>J. Immunol.</i> 134 :971. The Neutralization Dose (ND ₅₀) is typically 2-6 µg/mL in the presence of 1 µg/mL Recombinant Human CCL23/MPIF-1.	

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 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. <ul style="list-style-type: none"> ● 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

CCL23, also known as Myeloid Progenitor Inhibitory Factor-1 (MPIF-1), is a CC chemokine that is produced by some myeloid cell lines and monocyte-derived dendritic cells. It binds CCR1 and inhibits the differentiation of progenitor cells that give rise to granulocytes and macrophages. CCL23 is also chemotactic for resting T cells, neutrophils, monocytes and dendritic cells.