

DESCRIPTION

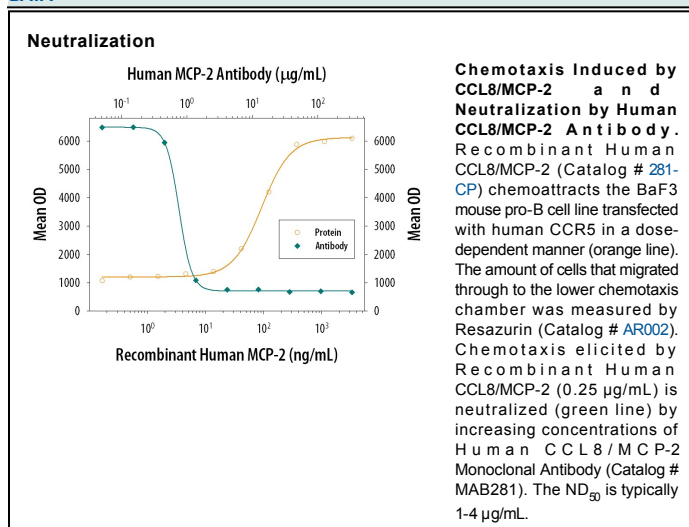
Species Reactivity	Human
Specificity	Detects human CCL8/MCP-2 in ELISAs and Western blots. In ELISAs, this antibody shows less than 0.1% cross-reactivity with recombinant human (rh) CCL15 and rmCCL3.
Source	Monoclonal Mouse IgG ₁ Clone # 35509
Purification	Protein A or G purified from ascites
Immunogen	<i>E. coli</i> -derived recombinant human CCL8/MCP-2
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 CCL8/MCP-2 (Catalog # 281-CP)
Human CCL8/MCP-2 Sandwich Immunoassay		Reagent
ELISA Capture	2-8 µg/mL	Human CCL8/MCP-2 Antibody (Catalog # MAB281)
ELISA Detection	0.1-0.4 µg/mL	Human CCL8/MCP-2 Biotinylated Antibody (Catalog # BAF281)
Standard		Recombinant Human CCL8/MCP-2 (Catalog # 281-CP)
Neutralization		Measured by its ability to neutralize CCL8/MCP-2-induced chemotaxis in the BaF3 mouse pro-B cell line transfected with human CCR5. The Neutralization Dose (ND ₅₀) is typically 1-4 µg/mL in the presence of 0.25 µg/mL Recombinant Human CCL8/MCP-2.

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

CCL8, also known as Monocyte Chemoattractant Protein 2 (MCP-2), is an inflammatory CC chemokine that attracts monocytes, eosinophils and basophils. It is produced by many cell types and signals through interactions with CCR1, CCR2, CCR3 and CCR5.