

DESCRIPTION

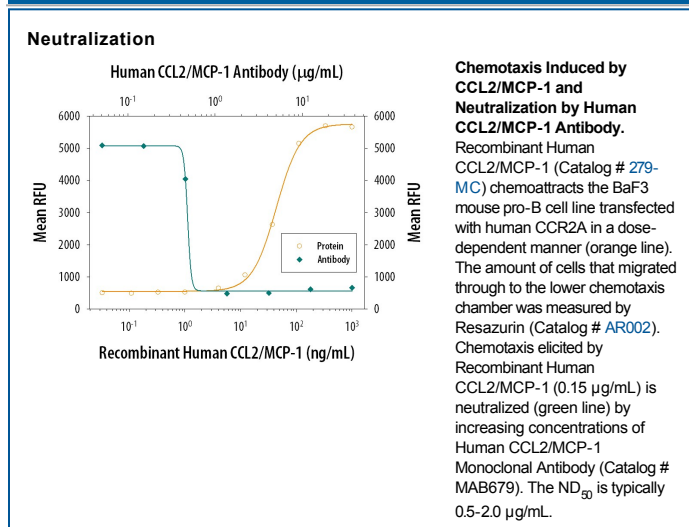
Species Reactivity	Human
Specificity	Detects human CCL2/JE/MCP-1 in ELISAs and Western blots. In ELISAs, this antibody does not cross-react with recombinant mouse (rm) CCL2, 3, 4, rhCCL3, 4, 5, 7, or 8.
Source	Monoclonal Mouse IgG _{2B} Clone # 23007
Purification	Protein A or G purified from ascites
Immunogen	<i>E. coli</i> -derived recombinant human CCL2/JE/MCP-1
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 CCL2/JE/MCP-1 (Catalog # 279-MC)
Human CCL2/JE/MCP-1 Sandwich Immunoassay		Reagent
ELISA Capture	2-8 µg/mL	Human CCL2/JE/MCP-1 Antibody (Catalog # MAB679)
ELISA Detection	0.1-0.4 µg/mL	Human CCL2/JE/MCP-1 Biotinylated Antibody (Catalog # BAF279)
Standard		Recombinant Human CCL2/JE/MCP-1 (Catalog # 279-MC)
Neutralization		Measured by its ability to neutralize CCL2/JE/MCP-1-induced chemotaxis in the BaF3 mouse pro-B cell line transfected with human CCR2A. The Neutralization Dose (ND ₅₀) is typically 0.5-2.0 µg/mL in the presence of 0.15 µg/mL Recombinant Human CCL2/JE/MCP-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

CCL2 is a β-chemokine that is also known as monocyte chemoattractant protein 1 (MCP-1). It is produced by a variety of cell types and is chemotactic for monocytes.