

DESCRIPTION

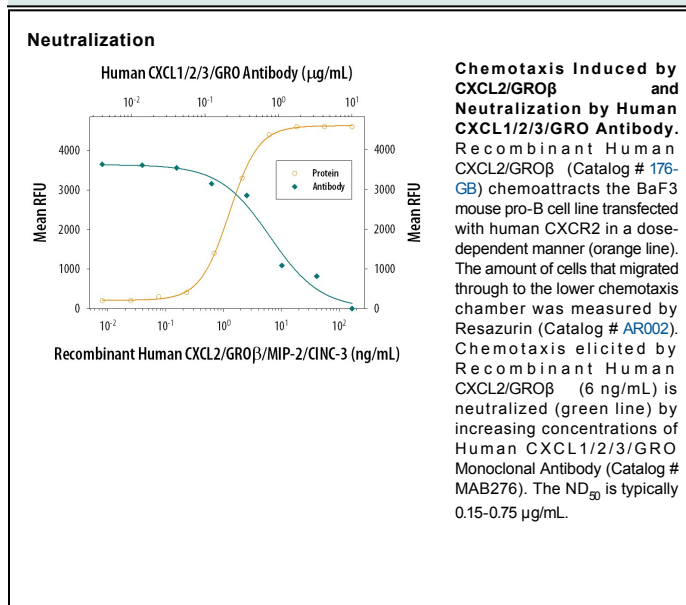
Species Reactivity	Human
Specificity	Detects human CXCL1/2/3 in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG ₁ Clone # 31716
Purification	Protein A or G purified from ascites
Immunogen	<i>E. coli</i> -derived recombinant human CXCL2 Ala35-Asn107 Accession # P19875
Endotoxin Level	<0.10 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 CXCL1/GROα/KC/CINC-1 (Catalog # 275-GR) Recombinant Human CXCL2/GROβ/MIP-2/CINC-3 (Catalog # 276-GB) Recombinant Human CXCL3/GROγ/CINC-2/DCIP-1 (Catalog # 277-GG)
Neutralization		Measured by its ability to neutralize CXCL1/2/3/GRO-induced chemotaxis in the BaF3 mouse pro-B cell line transfected with human CXCR2. The Neutralization Dose (ND ₅₀) is typically 0.5-2.5 µg/mL, 0.15-0.75µg/mL, and 0.1-0.5 µg/mL for Recombinant Human (rh) CXCL1, rhCXCL2, and rhCXCL3, respectively.

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

CXCL1, CXCL2 (MIP-2α), and CXCL3 (MIP-2β) are members of the alpha (C-X-C) subfamily of chemokines and are now designated GROα, GROβ, and GROγ, respectively. Mature CXCL1/2/3 proteins bind with high affinity to the IL-8 receptor type B and are potent neutrophil attractants and activators.