

DESCRIPTION

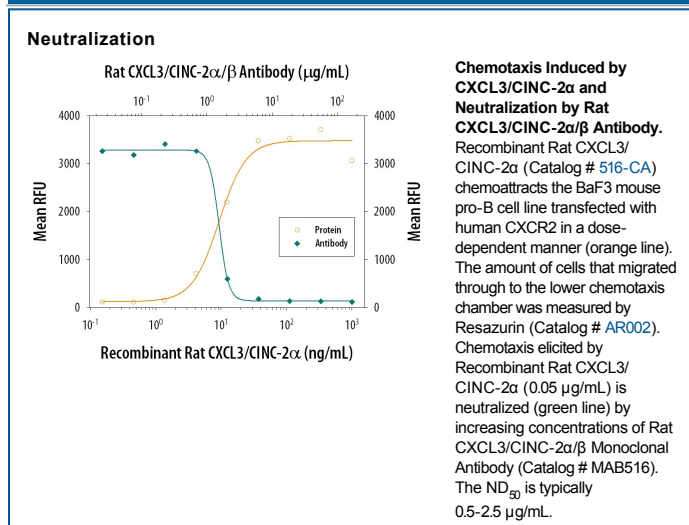
Species Reactivity	Rat
Specificity	Detects rat CXCL3/CINC-2 α / β in ELISAs and Western blots. In sandwich immunoassays, 27.9% cross-reactivity with recombinant rat (rr) CINC-3 is observed and no cross-reactivity or interference with rrCINC-1, recombinant mouse (rm) KC, rmMIP-2, or recombinant human GRO α is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 83504
Purification	Protein A or G purified from ascites
Immunogen	<i>E. coli</i> -derived recombinant rat CXCL3/CINC-2 α / β Arg33-Ser100 Accession # Q10746
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	Recombinant Rat CXCL3/CINC-2 α (Catalog # 516-CA) Recombinant Rat CXCL3/CINC-2 β (Catalog # 517-CB)
Rat CXCL3/CINC-2α/β Sandwich Immunoassay		Reagent
ELISA Capture	2-8 μ g/mL	Rat CXCL3/CINC-2 α / β Antibody (Catalog # MAB516)
ELISA Detection Standard	0.1-0.4 μ g/mL	Rat CXCL3/CINC-2 α / β Biotinylated Antibody (Catalog # BAF516) Recombinant Rat CXCL3/GRO γ /CINC-2/DCIP-1 (Catalog # 516-CA)
Standard		Recombinant Rat CXCL3/GRO γ /CINC-2/DCIP-1 (Catalog # 517-CB)
Neutralization		Measured by its ability to neutralize CXCL3/CINC-2 α -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 μ g/mL in the presence of 0.05 μ g/mL Recombinant Rat CXCL3/CINC-2 α .

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

CINC-2 α and -2 β are mRNA splice variant isoforms that differ by only 3 amino acids at their amino-termini. These proteins are CXC chemokines most closely related to human GROs and mouse MIP-2. They are produced by granulation tissue, activated macrophages and fibroblasts. CINC-2 biological activities are mediated by CXCR1 or CXCR2.