

DESCRIPTION

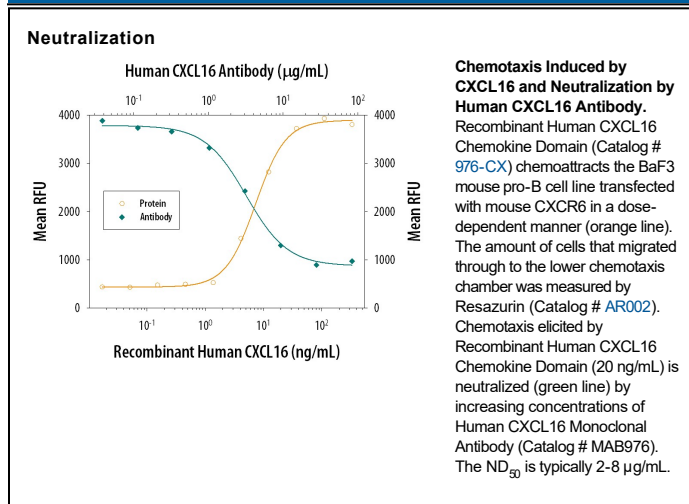
Species Reactivity	Human
Specificity	Detects human CXCL16 in direct ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant human CXCL1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12/SDF-1 α , 12/SDF-1 β , 13, recombinant mouse CXCL1, 2, 6, 9, 10, 12/SDF-1 α , 13, 16, recombinant rat CXCL1, 2, 3/CINC-2 α , 3/CINC-2 β , recombinant canine CXCL8, or recombinant porcine CXCL8 is observed.
Source	Monoclonal Rat IgG _{2A} Clone # 256213
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human CXCL16 Asn49-Pro137 Accession # NP_071342
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 either lyophilized or 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 Human CXCL16 Chemokine Domain (Catalog # 976-CX) under non-reducing conditions only
Flow Cytometry	2.5 μ g/10 ⁶ cells	Human monocyte-derived dendritic cells
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 CXCL16-induced chemotaxis in the BaF3 mouse pro-B cell line transfected with mouse CXCR6. Matloubian, M. <i>et al.</i> (2000) <i>Nature Immunol.</i> 1:298. The Neutralization Dose (ND ₅₀) is typically 2-8 μ g/mL in the presence of 20 ng/mL Recombinant Human CXCL16 Chemokine Domain.	

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

CXCL16 is a transmembrane protein with an extracellular domain consisting of a chemokine domain suspended on a mucin-like stalk. It functions as a ligand for the HIV co-receptor, CXCR6 (Bonzo).