

DESCRIPTION

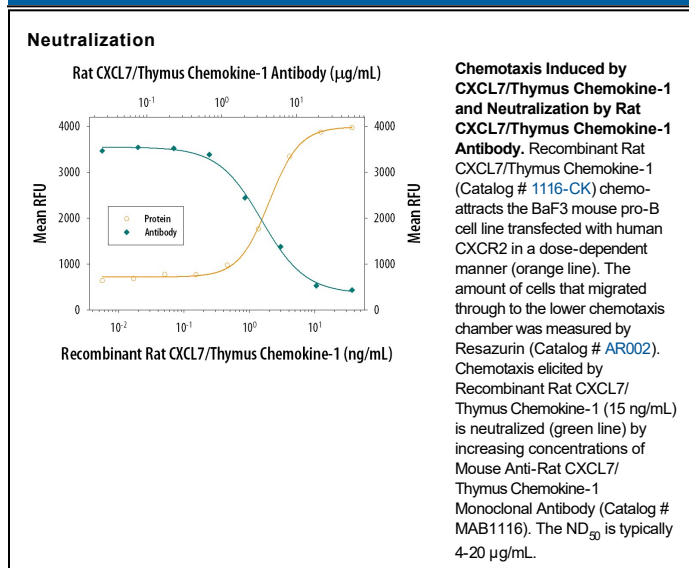
Species Reactivity	Rat
Specificity	Detects rat CXCL7/Thymus Chemokine-1 in ELISAs and Western blots. In sandwich ELISAs, no cross-reactivity or interference with recombinant human CXCL5, recombinant mouse CXCL7/Thymus Chemokine-1, recombinant rat (rr) CXCL1/CINC1, rrCXCL2/CINC3, rrCXCL3/CINC-2 alpha, rrCXCL3/CINC-2 beta, or rrCXCL5 is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 186701
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant rat CXCL7/Thymus Chemokine-1 Ile46-Ile107 Accession # NP_714943
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 either lyophilized or 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 Rat CXCL7/Thymus Chemokine-1 (Catalog # 1116-CK)
Neutralization	Measured by its ability to neutralize CXCL7/Thymus Chemokine-1-induced chemotaxis in the BaF3 mouse pro-B cell line transfected with human CXCR2. The Neutralization Dose (ND ₅₀) is typically 4-20 µg/mL in the presence of 15 ng/mL Recombinant Rat CXCL7/Thymus Chemokine-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

CXCL7, also known as Thymus Chemokine-1, is a member of the alpha (CXC) subfamily of chemokines. It functions as a chemoattractant for neutrophils, macrophages and T cells that express CXCR2/IL-8 R β . Rat CXCL7 cDNA encodes a 111 amino acid (aa) precursor protein. Rat CXCL7 shares 72% aa sequence identity with mouse CXCL7.