

DESCRIPTION

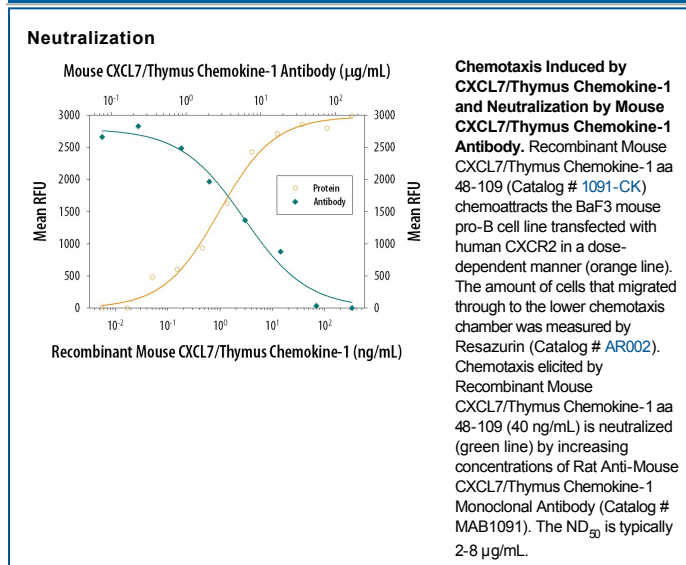
Species Reactivity	Mouse
Specificity	Detects mouse CXCL7/Thymus Chemokine-1 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human (rh) CXCL1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 16, recombinant mouse (rm) CXCL1, 4, 6, 9, 10, 11, 12, 13, 15, 16, recombinant rat (rr) CXCL1, 2, 3, 5, recombinant porcine CXCL8, or recombinant cotton rat CXCL10 is observed.
Source	Monoclonal Rat IgG _{2B} Clone # 159742
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant mouse CXCL7/Thymus Chemokine-1 Lys40-Tyr113 Accession # Q9EQI5
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 Mouse CXCL7/Thymus Chemokine-1 (Catalog # 793-CK) under non-reducing conditions only
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 2-8 µg/mL in the presence of 40 ng/mL Recombinant Mouse CXCL7/Thymus Chemokine-1 aa 48-109.

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 is a member of the alpha (CXC) subfamily of chemokines. Mouse CXCL7 cDNA encodes a 113 amino acid precursor protein that shares 72% amino acid sequence identity with rat CXCL7.