

DESCRIPTION

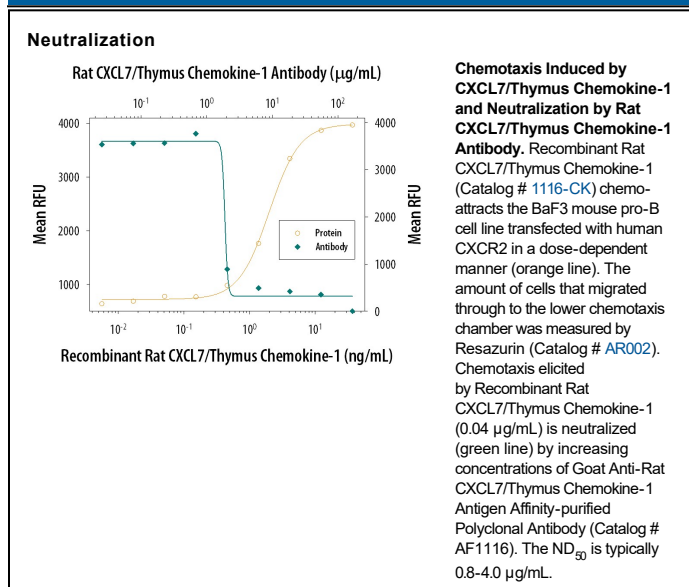
Species Reactivity	Rat
Specificity	Detects CXCL7/Thymus Chemokine-1 in direct ELISAs and Western blots. In direct ELISAs, approximately 10% cross-reactivity with recombinant mouse CXCL7 is observed and less than 1% cross-reactivity with other chemokines tested.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
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	0.1 µg/mL	Recombinant Rat CXCL7/Thymus Chemokine-1 (Catalog # 1116-CK)
Immunohistochemistry	5-15 µg/mL	Perfusion fixed frozen sections of rat thymus
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 0.8-4.0 µg/mL in the presence of 0.04 µg/mL Recombinant Rat CXCL7/Thymus Chemokine-1.	

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 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. Rat CXCL7 cDNA encodes a 111 amino acid residue precursor protein. Rat CXCL7 shares 72% amino acid sequence identity with mouse CXCL7 (accession number AAG36786). The recombinant rat CXCL7 produced by R&D Systems has been shown to chemoattract human CXCR2 transfected mouse BaF/3 cells, but not human CXCR1 transfected mouse BaF/3 cells.

¹rh6Ckine, rm6Ckine, rhBLC/BCA-1, rmBLC, rhBRAK, rmBRAK, rmC10, rhCCL28, rmCCL28, rrCINC-2a, rrCINC-2b, rrCINC-3, rhCKb8-1, rvCMV UL146, rmCRG-2, rhCTACK, rmCTACK, rhCXCL16, rmCXCL16, rhENA-78, rhEotaxin, rmEotaxin, rhEotaxin-2, rhEotaxin-3, rhFractalkine, rmFractalkine, rrFractalkine, rhGCP-2, rmGCP-2, rhGROa, rhGROb, rhGROg, rhHCC-1, rhHCC-4, rhI-309, rhIL-8, rplL-8, rcrIP-10, rhIP-10, rhI-TAC, rml-TAC, rmJE, rmKC, rhLeukotactin-1, rrLIX, rmLungkine, rhLymphotactin, rmLymphotactin, rmMARC, rhMCP-1, rhMCP-2, rmMCP-2, rhMCP-3, rhMCP-4, rmMCP-5, rvMCV type 2, rhMDC, rmMDC, rhMIG, rmMIG, rcrMIP-1a, rhMIP-1a, rmMIP-1a, rcrMIP-1b, rhMIP-1b, rmMIP-1b, rhMIP-1d, rmMIP-1g, rmMIP-2, rhMIP-3a, rmMIP-3a, rrMIP-3a, rhMIP-3b, rmMIP-3b, rvMIP-I, rvMIP-II, rvMIP-III, rhMPIF-1, rhNAP-2, rhPARC, rhPF4, rcrRANTES, rhRANTES, rmRANTES, rhSDF-1a, rmSDF-1a, rhSDF-1b, rhTARC, rmTARC, rmTCA-3, rhTeck, rmTeck

