

Rat CXCL7/Thymus Chemokine-1 **Antibody**

Monoclonal Mouse IgG_{2B} Clone # 186701

Catalog Number: MAB1116

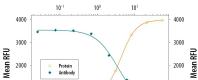
DESCRIPTION		
Species Reactivity	Rat	
Specificity	Detects rat CXCL7/Thymus Chemokine-1 in ELISAs and Western blots. In sandwich ELISAs, no cross-reactivity or interference with recombinant human CXCL5, recombinant mouse CXCL7/Thymus Chemokine-1, recombinant rat (rr) CXCL1/CINC1, rrCXCL2/CINC3, rrCXCL3/CINC-2 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	E. coli-derived recombinant rat CXCL7/Thymus Chemokine-1 lle46-lle107 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.	

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 Recombina	ant Rat CXCL7/Thymus Chemokine-1.

DATA

Neutralization



Rat CXCL7/Thymus Chemokine-1 Antibody (µg/mL)

Recombinant Rat CXCL7/Thymus Chemokine-1 (ng/mL)

Chemotaxis Induced by CXCL7/Thymus Chemokine-1 and Neutralization by Rat CXCL7/Thymus Chemokine-1 Antibody. Recombinant Rat CXCL7/Thymus Chemokine-1 (Catalog # 1116-CK) chemoattracts the BaF3 mouse pro-B cell line transfected with human CXCR2 in a dose-dependent manner (orange line). The amount of cells that migrated through to the lower chemotaxis chamber was measured by Resazurin (Catalog # AR002). Chemotaxis elicited by Recombinant Rat CXCL7/ Thymus Chemokine-1 (15 ng/mL) is neutralized (green line) by increasing concentrations of Mouse Anti-Rat CXCL7/ Thymus Chemokine-1 Monoclonal Antibody (Catalog # MAB1116). The ND₅₀ is typically 4-20 µg/mL

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. 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 Rβ. Rat CXCL7 cDNA encodes a 111 amino acid (aa) precursor protein. Rat CXCL7 shares 72% aa sequence identity with mouse CXCL7.

Rev. 2/7/2018 Page 1 of 1

