

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/C1
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
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

ELISA Capture (Matched Antibody Pair)	Optimal dilution of this antibody should be experimentally determined.
Neutralization	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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.

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