

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse XCL1/Lymphotactin in ELISAs and Western blots. In sandwich immunoassays, less than 1% cross-reactivity with recombinant human XCL1/Lymphotactin is observed and no cross-reactivity with recombinant viral (rv) CMV UL147 is observed. In Western
Source	Monoclonal Rat IgG _{2A} Clone # 80222
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant mouse XCL1/Lymphotactin Val22-Gly114 Accession # AAA56752
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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.
ELISA Detection (Matched Antibody Pair)	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

Mouse XCL1, also known as Lymphotactin, and its human homologue (also named human SCM-1 and ATAC) belong to the C or γ subfamily of chemokines. The C chemokines lack two (the 1st and 3rd) of the four invariant cysteine residues normally found in the CC and CXC chemokines and have an extended carboxy terminus. Mouse XCL1 encodes a 114 amino acid residue precursor protein with a 21 amino acid residue predicted signal peptide. The expression of XCL1 is restricted to activated mouse pro-T cells and to activated, class I MHC restricted T cells. The gene for XCL1 has been mapped to chromosome 1 in both human and mouse. Recombinant mouse XCL1 has been shown to have chemotactic activity for lymphocytes, NK cells and mouse splenocytes.

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