

DESCRIPTION

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| 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 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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.

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| 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

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| 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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