

## DESCRIPTION

<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse XCL1/Lymphotactin in ELISAs and Western blots. In ELISAs, this antibody shows less than 1% cross-reactivity with recombinant human XCL1/Lymphotactin and no cross-reactivity with recombinant viral (rv) CMV UL147. In Western blots, this antibody shows 75% cross-reactivity with rvCMV UL147 and no cross-reactivity with _____.
<b>Source</b>	Monoclonal Rat IgG <sub>2A</sub> Clone # 80222
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant mouse XCL1/Lymphotactin Val22-Gly114 Accession # AAA56752
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.

## 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
<b>Western Blot</b>	1 µg/mL	Recombinant Mouse XCL1/Lymphotactin (Catalog # 486-LT)
<b>Mouse XCL1/Lymphotactin Sandwich Immunoassay</b>		<b>Reagent</b>
<b>ELISA Capture</b>	2-8 µg/mL	Mouse XCL1/Lymphotactin Antibody (Catalog # MAB486)
<b>ELISA Detection</b>	0.1-0.4 µg/mL	Mouse XCL1/Lymphotactin Biotinylated Antibody (Catalog # BAF486)
<b>Standard</b>		Recombinant Mouse XCL1/Lymphotactin (Catalog # 486-LT)

## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<p><b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b></p> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month from date of receipt, 2 to 8 °C, reconstituted.</li> <li>● 6 months from date of receipt, -20 to -70 °C, reconstituted.</li> </ul>

## 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 GXC 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.

## References:

1. Kelner, G. *et al.* (1994) *Science* **266**:1395.
2. Hedrick, J.A. *et al.* (1997) *J. Immunol.* **158**:1533.