

**Anti-XCL1/Lymphotactin Antibody**  
**Catalog # ABO12367****Specification**

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**Anti-XCL1/Lymphotactin Antibody - Product Information**

Application	WB, E
Primary Accession	<a href="#">P47992</a>
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Lymphotactin(XCL1) detection. Tested with WB, ELISA(Cap) in Human.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-XCL1/Lymphotactin Antibody - Additional Information**

**Gene ID** 6375

**Other Names**

Lymphotactin, ATAC, C motif chemokine 1, Cytokine SCM-1, Lymphotaxin, SCM-1-alpha, Small-inducible cytokine C1, XC chemokine ligand 1, XCL1, LTN, SCYC1

**Calculated MW**

12517 MW KDa

**Application Details**

Western blot, 0.1-0.5 µg/ml, Human<br><br> ELISA(Cap), 0.1-0.5 µg/ml

**Subcellular Localization**

Secreted.

**Tissue Specificity**

Highest level in spleen, lower in peripheral leukocytes and very low levels in lung, colon and small intestine.

**Protein Name**

Lymphotactin

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg NaN<sub>3</sub>.

**Immunogen**

E.coli-derived human Lymphotactin recombinant protein (Position: V22-G114). Human Lymphotactin shares 60.2% and 57% amino acid (aa) sequence identity with mouse and rat Lymphotactin, respectively.

**Purification**

Immunogen affinity purified.

**Cross Reactivity**

No cross reactivity with other proteins

**Storage**

**At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.**

**Anti-XCL1/Lymphotactin Antibody - Protein Information**

**Name** XCL1

**Synonyms** LTN, SCYC1

**Function**

Chemotactic activity for lymphocytes but not for monocytes or neutrophils. In thymus, mediates medullary accumulation of thymic dendritic cells and contributes to regulatory T cell development, playing a role in self-tolerance establishment.

**Cellular Location**

Secreted.

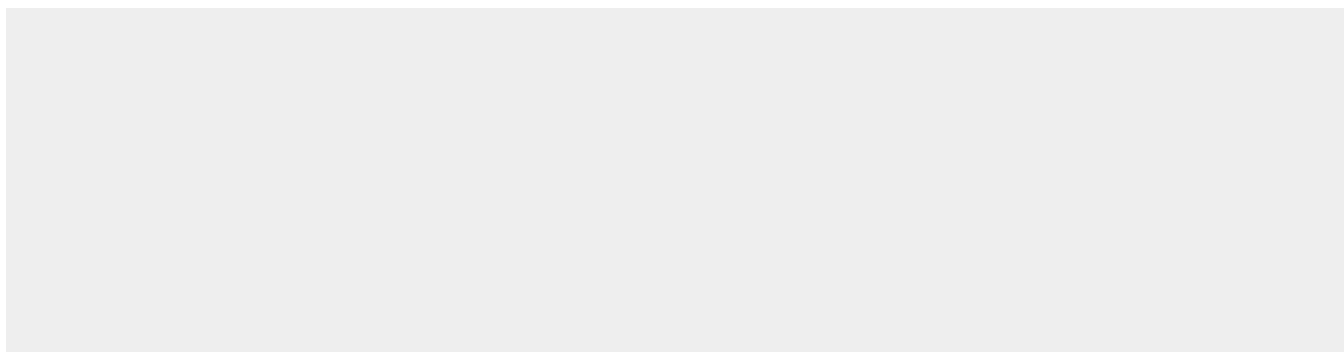
**Tissue Location**

Highest level in spleen, lower in peripheral leukocytes and very low levels in lung, colon and small intestine

**Anti-XCL1/Lymphotactin Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-XCL1/Lymphotactin Antibody - Images**



Anti- Lymphotactin Picoband antibody, ABO12367, Western blotting All lanes: Anti Lymphotactin (ABO12367) at 0.5ug/ml WB: HELA Whole Cell Lysate at 40ug Predicted bind size: 13KD Observed bind size: 13KD

#### **Anti-XCL1/Lymphotactin Antibody - Background**

Chemokine (C motif) ligand (XCL1) is a small cytokine belonging to the XC chemokine family that is also known as lymphotactin. Muller et al. (1995) mapped the gene to chromosome 1q23 by FISH. The sequence of the deduced 114-amino acid protein is most homologous to the CC chemokines CCL8 and CCL3. It is found in high levels in spleen, thymus, intestine and peripheral blood leukocytes, and at lower levels in lung, prostate gland and ovary. XCL1 induces the migration of cells expressing XCR1.