Datasheet for ABIN5693011

anti-XCL1 antibody (AA 22-114)

1 Image

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Overview

Quantity:	100 µg
Target:	XCL1
Binding Specificity:	AA 22-114
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This XCL1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Brand:	Picoband™
Immunogen:	E. coli-derived mouse Lymphotactin recombinant protein (Position: V22-G114).
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Lymphotactin detection. Tested with WB, Direct ELISA in Mouse,Rat.

Target Details

Target:	XCL1
Alternative Name:	Xcl1 (XCL1 Products)
Background:	Synonyms: Lymphotactin, C motif chemokine 1, Cytokine SCM-1, Lymphotaxin, Small-inducible

Target Details

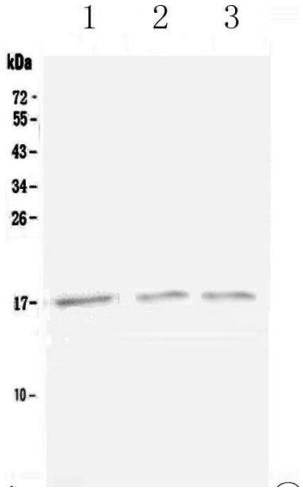
	cytokine C1, Xcl1, Lptn, Ltn, Scyc1 Tissue Specificity: Expressed in activated CD8(+) T cells. In the thymus, expressed by medullary thymic epithelial cells. Background: Chemokine (C motif) ligand (XCL1) is a small cytokine belonging to the XC chemokine family that is also known as lymphotactin. Muller 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.
UniProt:	P47993
Pathways:	Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Production of Molecular Mediator of Immune Response, Activated T Cell Proliferation

Application Details

Application Notes:	Recommended Detection Systems: Enhanced Chemiluminescent Kit with anti-Rabbit IgG (ABIN921124) for Western blot. Application Details: Western blot, 0.1-0.5 µg/mL Direct ELISA, 0.1-0.5 µg/mL
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na_2HPO_4, 0.05 mg NaN_3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	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.



Western Blotting

Image 1. Western blot analysis of Lymphotactin using anti-Lymphotactin antibody . Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each Lane was loaded with 50ug of sample under reducing conditions. Lane 1: mouse spleen tissue lysates, Lane 2: mouse kidney tissue lysates, Lane 3: rat kidney tissue lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Lymphotactin antigen affinity purified polyclonal antibody (Catalog #) at 0.5 µg/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for Lymphotactin at approximately 17KD. The expected band size for Lymphotactin is at 12KD.