

## Mouse Lptn/XCL1 Antibody Pair Set

**Catalog No.** E-KAB-0714 **Applications** ELISA  
**Synonyms** SCYC1;LTN;ATAC;SCM-1a;SCM-1

### Kit components & Storage

Title	Specifications	Storage
Mouse Lptn/XCL1 Capture Antibody	1 vial, 100 µg	Store at -20℃. Avoid freeze / thaw cycles.
Mouse Lptn/XCL1 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20℃. Avoid freeze / thaw cycles.

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

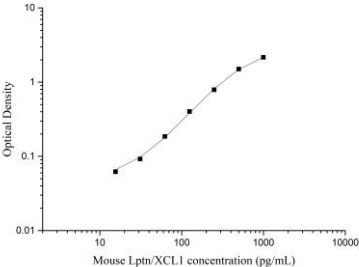
### Product Information

Items		Characteristic (E-KAB-0714)	
		Mouse Lptn/XCL1 Capture Antibody	Mouse Lptn/XCL1 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse Lptn protein	Recombinant Mouse Lptn protein
	Swissprot	P47993	
Product details	Reactivity	Mouse	Mouse
	Host	Goat	Goat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Affinity purification	Affinity purification
	Specificity	Detects Mouse Lptn in ELISAs.	

### For Research Use Only

## Applications

### Mouse Lptn Sandwich ELISA Assay

	Recommended Concentration/Dilution	Reagent	Images																				
ELISA Capture	0.5-4ug/mL	Mouse Lptn/XCL1 Capture Antibody	 <table><caption>Approximate data points from the standard curve</caption><thead><tr><th>Mouse Lptn/XCL1 concentration (pg/mL)</th><th>Optical Density</th></tr></thead><tbody><tr><td>10</td><td>0.05</td></tr><tr><td>20</td><td>0.08</td></tr><tr><td>50</td><td>0.15</td></tr><tr><td>100</td><td>0.3</td></tr><tr><td>200</td><td>0.6</td></tr><tr><td>500</td><td>1.5</td></tr><tr><td>1000</td><td>3.0</td></tr><tr><td>2000</td><td>6.0</td></tr><tr><td>5000</td><td>10.0</td></tr></tbody></table>	Mouse Lptn/XCL1 concentration (pg/mL)	Optical Density	10	0.05	20	0.08	50	0.15	100	0.3	200	0.6	500	1.5	1000	3.0	2000	6.0	5000	10.0
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ELISA Detection	1:1000-1:10000	Mouse Lptn/XCL1 Detection Antibody (Biotin)																					

**Note:** This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

## Background

XCL1, also known as lymphotactin, is an inflammatory chemokine secreted by T cells and natural killer (NK) cells. Early reports described XCL1 as a mediator of T cell and NK cell migration, but recent studies suggest a highly specialized role for XCL1 and its receptor XCR1. The XCL1-XCR1 axis has been shown to play an important role in the dendritic cell mediated cytotoxic immune response and in the formation of self-tolerance mechanisms through the development of regulatory T cells within the thymus. XCL1 also acts as a conformation-dependent inhibitor of HIV-1. Unlike other chemokines, XCL1 conformation interchanges between conserved chemokine folds and an unrelated dimeric structure under physiological conditions.

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