



20150116ML

Anti-Mouse CCL-22 (#9L23)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

Cat.-no.:	103-M328
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat) immunized with mouse recombinant protein of CCL-22.

Target Background

Synonyms (Target):	Ccl22; MDC; DCBCK; ABCD-1; Scya22
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CCL22, also known as ABCD1 and MDC (macrophage-derived chemokine), is a CC chemokine cloned from activated mouse B cells. Mouse CCL22 cDNA encodes a precursor protein of 92 amino acid (aa) residues with a 24 aa residue predicted signal peptide that is cleaved to yield a 68 aa residue mature 7.8 kDa protein. At the amino acid sequence level, mouse and human CCL22 share 64% identity and 83% similarity. The genomic organization of the mouse and human CCL22 genes are very similar, exhibiting sequence identity at the intron-exon boundaries. Mouse CCL22 is expressed at high levels in dendritic cells and activated B lymphocytes. Low levels of mouse CCL22 mRNA are also detectable in lung, unstimulated spleen cells, lymph node cells and in thymocytes. CCL22 is a functional ligand for the CC chemokine receptor 4. Recombinant or chemically synthesized mature mouse CCL22 has been shown to induce chemotaxis or Ca²⁺ mobilization in activated mouse and human T cells.

Database References Target

Protein RefSeq:	NP_033163.1
Uniprot ID:	O88430
mRNA RefSeq:	NM_009137.2

Product Specifications

Host	Rat
Reactivity against	Mouse
Clonality	Monoclonal Antibody
Clone	(#9L23)
Isotype	IgG2
Purification	Protein G/A chromatography
Antigen	recombinant mouse CCL-22
Formulation	lyophilized
Reconstitution buffer	PBS (sterile)

Reconstitution: Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

Remarks: This antibody detects mouse CCL-22/MDC in western blotting and direct ELISA.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:
WB, N

Recommended usage:

WB: 1:500-1000

Neutralization: Yes

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!