



20150116ML

Anti-Mouse CCL-11 (#7H5)

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

Cat.-no.:	103-M321
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-11.

Target Background

Synonyms (Target):	Ccl11 chemokine (C-C motif) ligand 11; Scya11; eotaxin
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CCL11 is a potent eosinophil chemoattractant that was originally purified from bronchoalveolar lavage fluid of guinea pigs sensitized by aerosol challenge with ovalbumin. Mouse CCL11 cDNA encodes a 97 amino acid (aa) precursor protein from which the aminoterminal 23 aa are cleaved to generate the 74 aa mature mouse CCL11. At the protein sequence level, mature mouse CCL11 is approximately 60% identical to mature human and guinea pig CCL11. In addition, mouse CCL11 also shows high aa sequence identity to members of the MCP family. Mouse CCL11 is chemotactic for eosinophils, but not mononuclear cells or neutrophils. CCL11 mRNA is expressed in a variety of tissues. The expression of CCL11 mRNA is induced in cultured endothelial cells in response to IFN γ . In addition, CCL11 mRNA is also induced in response to the transplantation of IL4secreting tumor cells. The CC chemokine receptor 3 (CCR3) has been identified as a specific human CCL11 receptor.

Database References Target

Protein RefSeq:	NP_035460.1
Uniprot ID:	P48298
mRNA RefSeq:	NM_011330.3

Product Specifications

Host	Rat
Reactivity against	Mouse
Clonality	Monoclonal Antibody
Clone	(#7H5)
Isotype	IgG2
Purification	Protein G/A chromatography
Antigen	recombinant mouse CCL-11
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-11/Eotaxin in western blotting and it cross reacts weakly with human CCL-11/Eotaxin.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:

WB, IHC, N

Recommended usage:

WB: 1:500-1000

IHC (frozen): 1:100-300

Neutralization: Yes

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