



20150120ML

Anti-Human CCL-13 (#3G14)

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

Cat.-no.:	101-M257
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 mouse) immunized with human recombinant protein of CCL-13 (also called MCP-4).

Target Background

Synonyms (Target):	CCL13; NCC1; CKb10; MCP-4; NCC-1; SCYL1; SCYA13
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CCL13, also known as Monocyte Chemoattractant Protein4 (MCP4), is a CC chemokine that acts as a chemoattractant for monocytes, eosinophils and T cells and as an activator of basophils. Human CCL13 cDNA encodes a 98 amino acid residue precursor protein with a 23 amino acid residue hydrophobic signal peptide that is cleaved to yield an 8 kDa, 75 aa mature CCL13. Mature CCL13 lacks any potential N-glycosylation sites and shares a pyroglutamate proline motif with other human MCP proteins. Human CCL13 is most homologous to MCP1, 3 and Eotaxin, exhibiting approximately 65-66% amino acid sequence identity. CCL13 mRNA is expressed by a number of activated cell types, including endothelial cells, macrophages, bronchial epithelium and type II alveolar cells, and perhaps lymphocytes. The bioactivities of CCL13 are mediated by the CC chemokine receptors CCR2 and CCR3.

Database References Target

Protein RefSeq:	NP_005399
Uniprot ID:	Q99616
mRNA RefSeq:	NM_005408

Product Specifications

Host	Mouse
Reactivity against	Human
Clonality	Monoclonal Antibody
Clone	(#3G14)
Isotype	IgG1
Purification	Protein G chromatography
Antigen	recombinant human CCL-13
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 was selected for its ability to detect human CCL-11 protein.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:

FC, N

Recommended usage:

FC: 1:50 - 1:200

Neutralization: Yes

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