

Datasheet: MCA6177B

Description:	MOUSE ANTI HUMAN CCL13:Biotin
Specificity:	CCL13
Other names:	MCP-4
Format:	Biotin
Product Type:	Monoclonal Antibody
Clone:	B16-3D8
Isotype:	IgG1
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			1.0 ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG conjugated to Biotin - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml
Immunogen	<i>E. coli</i> derived recombinant human full length CCL13 (Phe17-Thr98)

**External Database
Links**

UniProt:

[Q99616](#) [Related reagents](#)

Entrez Gene:

[6357](#) CCL13 [Related reagents](#)

Synonyms

MCP4, NCC1, SCYA13

Fusion Partners

Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0

Specificity

Mouse anti Human CCL13 antibody, clone B16-3D8, recognizes CCL13, a member of the CC family of cytokines. CCL13, also known as MCP-4, is a 98 amino acid (aa) precursor protein which contains a 23 aa hydrophobic signal peptide that is cleaved to the mature form of the protein which is 75aa protein (8kDa). CCL13 is a chemoattractant for various cells including monocytes, T cells, immature dendritic cells and eosinophils ([Entiquez & Garcia-Zepeda 2013](#)). It has also been associated with various inflammatory diseases including asthma, arthritis, atherosclerosis and multiple sclerosis ([Procaccini et al. 2015](#)). CCL13 can bind to several chemokine receptors (CCR1, CCR2 and CCR3) to elicit chemoattractant responses. It is also known to induce degranulation of eosinophils and the secretion of pro-inflammatory cytokines.

This biotinylated Mouse anti Human CCL13 antibody, clone B16-3D8 (MCA6177B) can be used as a detection antibody in a sandwich ELISA with the purified Mouse anti Human CCL13 antibody, clone B06-1G9 ([MCA6176GA](#)) as the capture antibody.

Storage

Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

12 months from date of despatch

**Health And Safety
Information**

Material Safety Datasheet documentation #10041 available at:
10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

Regulatory

For research purposes only

Related Products

Recommended Useful Reagents

[MOUSE ANTI HUMAN CCL13 \(MCA6176GA\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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