

## Datasheet: MCA6177B

<b>Description:</b>	MOUSE ANTI HUMAN CCL13:Biotin
<b>Specificity:</b>	CCL13
<b>Other names:</b>	MCP-4
<b>Format:</b>	Biotin
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	B16-3D8
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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.

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

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee

12 months from date of despatch

Health And Safety  
Information

Material Safety Datasheet documentation #10041 available at:  
<https://www.bio-rad-antibodies.com/SDS/MCA6177B>  
10041

Regulatory

For research purposes only

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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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