

## Datasheet: MCA6203B

<b>Description:</b>	MOUSE ANTI HUMAN CCL20:Biotin
<b>Specificity:</b>	CCL20
<b>Other names:</b>	MIP-3a
<b>Format:</b>	Biotin
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	O03-3H12
<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 CCL20 (Ala27-Met96)

**External Database  
Links**

**UniProt:**

[P78556](#)   [Related reagents](#)

**Entrez Gene:**

[6364](#)   CCL20   [Related reagents](#)

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**Synonyms**

LARC, MIP3A, SCYA20

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**Fusion Partners**

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

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**Specificity**

**Mouse anti Human CCL20 antibody, clone O03-3H12**, recognizes C-C motif chemokine 20, also known as LARC, MIP3A, and SCYA20. The chemokine CCL20 is expressed mostly in the lymphatic tissue, lung, and liver, and is produced by cells involved with the inflammatory and immune responses. CCL20 plays an important role in recruiting inflammatory cells to the site of infection or injury ([Soto et al. 2017](#)). However, CCL20 is involved with pathogenesis of chronic inflammatory disorders, specifically interstitial lung fibrosis and chronic obstructive pulmonary disease (COPD), and can contribute to tumor metastasis ([Zhang et al. 2017](#)). Inhibition of CCL20, along with its ligand CCR6, might have valuable therapeutic potential for treatment of autoimmune and inflammatory diseases, and is therefore a target of interest for drug discovery ([Ranasinghe and Eri 2018](#)).

The biotinylated Mouse anti Human CCL20 antibody, clone O03-3H12 (MCA6203B) can be used as a detection antibody in a sandwich ELISA with the purified Mouse anti Human CCL20 antibody, clone J03-4D4 ([MCA6202GA](#)) as the capture antibody.

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**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.

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**Guarantee**

12 months from date of despatch

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**Health And Safety  
Information**

Material Safety Datasheet documentation #10041 available at:  
<https://www.bio-rad-antibodies.com/SDS/MCA6203B>  
10041

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Useful Reagents

[MOUSE ANTI HUMAN CCL20 \(MCA6202GA\)](#)

### ELISA Matched Pair - Capture Antibody

[MOUSE ANTI HUMAN CCL20 \(MCA6202GA\)](#)

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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://bio-rad-antibodies.com/datasheets)

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