

## Datasheet: MCA6253B

<b>Description:</b>	MOUSE ANTI HUMAN CXCL9:Biotin
<b>Specificity:</b>	CXCL9
<b>Other names:</b>	MIG
<b>Format:</b>	Biotin
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	C09-9H7
<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 CXCL9 (Thr23-Thr125)

**External Database  
Links**

**UniProt:**

[Q07325](#)   [Related reagents](#)

**Entrez Gene:**

[4283](#)   CXCL9   [Related reagents](#)

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**Synonyms**

CMK, MIG, SCYB9

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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 CXCL9 antibody, clone C09-9H7**, recognizes, C-X-C motif chemokine 9 (CXCL9), also known as Monokine induced by Interferon-Gamma (MIG) and small inducible cytokine B9.

Synthesis of CXCL9 is induced by IFN-gamma and it mediates lymphocytic infiltration to focal sites and inhibits tumor growth ([Tokunaga et al. 2018](#)). CXCL9 is not detectable under physiological conditions in non-lymphoid tissues. However in response to inflammation or injury, IFN-gamma induces CXCL9 production in blood and tissue cells. CXCL9 is a ligand of CXCR3, a classic 7 transmembrane G protein coupled receptor. Upon binding to this receptor the signaling pathways Src, PI3k and MAPK can be activated ([Koper et al. 2018](#)).

The biotinylated Mouse anti Human CXCL9 antibody, clone C09-9H7 (MCA6253B) can be used as a detection antibody in a sandwich ELISA with the purified Mouse anti Human CXCL9 antibody, clone C04-3E4 ([MCA6252GA](#)) 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:  
10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Useful Reagents

[MOUSE ANTI HUMAN CXCL9 \(MCA6252GA\)](#)

### ELISA Matched Pair - Capture Antibody

[MOUSE ANTI HUMAN CXCL9 \(MCA6252GA\)](#)

**North & South** Tel: +1 800 265 7376

**Worldwide** Tel: +44 (0)1865 852 700

**Europe** Tel: +49 (0) 89 8090 95 21

**America** Fax: +1 919 878 3751

Fax: +44 (0)1865 852 739

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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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