Datasheet: MCA6253B

Description:	MOUSE ANTI HUMAN CXCL9:Biotin
Specificity:	CXCL9
Other names:	MIG
Format:	Biotin
Product Type:	Monoclonal Antibody
Clone:	C09-9H7
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	*E. coli* derived recombinant human full length CXCL9 (Thr23-Thr125)

External Database Links	**UniProt:** Q07325 Related reagents **Entrez Gene:** 4283 CXCL9 Related reagents
Synonyms	CMK, MIG, SCYB9
Fusion Partners	Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0
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 lymphoytic 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.
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/MCA6253B 10041
Regulatory	For research purposes only

Related Products

Recommended Useful Reagents

MOUSE ANTI HUMAN CXCL9 (MCA6252GA)

ELISA Matched Pair - Capture Antibody

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	**Worldwide**	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	**Europe**	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: 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

'M390654:210924'

Printed on 18 Jan 2024

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