

Datasheet: MCA6189B

Description:	MOUSE ANTI HUMAN CXCL10:Biotin
Specificity:	CXCL10
Other names:	IP-10
Format:	Biotin
Product Type:	Monoclonal Antibody
Clone:	D03-4F4
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 CXCL10 (Val22-Pro98)

**External Database
Links**

UniProt:

[P02778](#) [Related reagents](#)

Entrez Gene:

[3627](#) CXCL10 [Related reagents](#)

Synonyms

INP10, SCYB10

Fusion Partners

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

Specificity

Mouse anti Human CXCL10 antibody, clone D03-4F4, recognizes Chemokine C-X-C ligand 10 (CXCL10), also known as interferon- γ -inducible protein 10 (IP-10), is a member of the C-X-C subfamily of chemokines. CXCL10 can be secreted by leukocytes, neutrophils, monocytes, endothelial cells, fibroblasts, thyrocytes and keratinocytes. CXCL10 plays a role in the recruitment of immune cells expressing its specific receptor, CXCR3. Beyond regulating immune cell migration, CXCL10 also plays a role in regulating cell growth and angiogenesis inhibition during tissue injury, development and maintenance. Under normal physiological conditions, CXCL10 is usually undetectable in most non-lymphoid tissues. Only upon induction of an immunoinflammatory response through infection or injury is CXCL10 then detected ([Muller et al. 2010](#)). As such, CXCL10 has been used as a biomarker of disease severity and as a prognostic indicator for various renal diseases ([Gao et al. 2020](#)).

This biotinylated Mouse anti Human CXCL10 antibody, clone D03-4F4 (MCA6189B) can be used as a detection antibody in a sandwich ELISA with the purified Mouse anti Human CXCL10 antibody, clone A01-2G1 ([MCA6188GA](#)) 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/MCA6189B>
10041

Regulatory

For research purposes only

Related Products

Recommended Useful Reagents

[MOUSE ANTI HUMAN CXCL10 \(MCA6188GA\)](#)

ELISA Matched Pair - Capture Antibody

[MOUSE ANTI HUMAN CXCL10 \(MCA6188GA\)](#)

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
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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

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