

## Datasheet: MCA6188GA

**BATCH NUMBER 100005283**

<b>Description:</b>	MOUSE ANTI HUMAN CXCL10
<b>Specificity:</b>	CXCL10
<b>Other names:</b>	IP-10
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	A01-2G1
<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 - 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> )
<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml

**Immunogen** *E. coli* derived recombinant human full length CXCL10 (Val22-Pro98)

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**External Database**

**Links**

**UniProt:**

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

**Entrez Gene:**

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

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**Synonyms**

INP10, SCYB10

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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 CXCL10 antibody, clone A01-2G1**, recognizes Chemokine C-X-C ligand 10 (CXCL10), also known as interferon- $\gamma$ -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 purified Mouse anti Human CXCL10 antibody, clone A01-2G1 (MCA6188GA) can be used as a capture antibody in a sandwich ELISA with the biotinylated Mouse anti Human CXCL10 antibody, clone D03-4F4 ([MCA6189B](#)) as the detection antibody.

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**Storage**

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee**

12 months from date of despatch

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**Health And Safety Information**

Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/MCA6188GA>  
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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)

Goat Anti Mouse IgG IgA IgM (STAR87...) [HRP](#)  
Goat Anti Mouse IgG (STAR76...) [RPE](#)  
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)  
Goat Anti Mouse IgG (STAR70...) [FITC](#)  
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),  
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),  
[FITC](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)  
Goat Anti Mouse IgG (STAR77...) [HRP](#)  
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)

### **Recommended Useful Reagents**

[MOUSE ANTI HUMAN CXCL10:Biotin \(MCA6189B\)](#)

### **ELISA Matched Pair - Detection Antibody**

[MOUSE ANTI HUMAN CXCL10:Biotin \(MCA6189B\)](#)

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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)  
'M380404:210511'

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