

## Datasheet: MCA6192GA

**BATCH NUMBER 100005499**

<b>Description:</b>	MOUSE ANTI HUMAN INTERLEUKIN-8
<b>Specificity:</b>	IL-8
<b>Other names:</b>	CXCL8
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	4F8A4
<b>Isotype:</b>	IgG2a
<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

<b>Immunogen</b>	<i>E. coli</i> derived recombinant human full length interleukin-8 (Ser28-Ser99)
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P10145</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">3576</a>    IL8    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	CXCL8
<b>Fusion Partners</b>	Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0
<b>Specificity</b>	<p><b>Mouse anti Human interleukin-8 antibody, clone 4F8A4</b> recognizes interleukin-8 (IL-8) also known as C-X-C motif chemokine 8, emoctakin and granulocyte chemotactic protein 1. IL-8 exists as a 77 amino acid signaling protein in non-immune cells or as a 72 amino acid protein in immune cells such as monocytes and macrophages. Expression of IL-8 is primarily regulated by NF-κB, but has also been noted to be influenced by inflammatory signals, environmental stresses and steroid hormones (<a href="#">Brat et al. 2005</a>).</p> <p>IL-8 elicits its biological function through its G-protein coupled receptors CXCR1 and CXCR2. Upon activation of these receptors a range of signaling pathways can be initiated such as PI3K, AKT, mTOR and ARP2/3. Through this activation leukocyte function and migration can be mediated (<a href="#">Gonzalez-Aparicio &amp; Alfaro 2019</a>). IL-8 expression is unregulated in tumor cells, which thought to be a response to chemotherapeutic interventions or tumor environmental stressors such as hypoxia (<a href="#">Waugh &amp; Wilson 2008</a>).</p> <p>The purified Mouse anti Human interleukin-8 antibody, clone 4F8A4 (MCA6192GA) can be used as a capture antibody in a sandwich ELISA with the biotinylated Mouse anti Human interleukin-8 antibody, clone 8C9E2 (<a href="#">MCA6193B</a>) as the detection antibody.</p>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #10040 available at:  <a href="https://www.bio-rad-antibodies.com/SDS/MCA6192GA">https://www.bio-rad-antibodies.com/SDS/MCA6192GA</a>  10040</p>
<b>Regulatory</b>	For research purposes only

## 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 INTERLEUKIN-8:Biotin \(MCA6193B\)](#)

## ELISA Matched Pair - Detection Antibody

[MOUSE ANTI HUMAN INTERLEUKIN-8:Biotin \(MCA6193B\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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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)

'M380406:210511'

Printed on 18 Jan 2024

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