

Datasheet: MCA6192GA

Description:	MOUSE ANTI HUMAN INTERLEUKIN-8
Specificity:	IL-8
Other names:	CXCL8
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	4F8A4
Isotype:	IgG2a
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 - 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)
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml

Immunogen	<i>E. coli</i> derived recombinant human full length interleukin-8 (Ser28-Ser99)
External Database Links	<p>UniProt: P10145 Related reagents</p> <p>Entrez Gene: 3576 IL8 Related reagents</p>
Synonyms	CXCL8
Fusion Partners	Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0
Specificity	<p>Mouse anti Human interleukin-8 antibody, clone 4F8A4 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 (Brat et al. 2005).</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 (Gonzalez-Aparicio & Alfaro 2019). IL-8 expression is unregulated in tumor cells, which thought to be a response to chemotherapeutic interventions or tumor environmental stressors such as hypoxia (Vaugh & Wilson 2008).</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 (MCA6193B) as the detection antibody.</p>
Storage	<p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA6192GA 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR76...)	RPE
Human Anti Mouse IgG2a (HCA037...)	HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®680 , DyLight®800 , FITC , HRP
Goat Anti Mouse IgG (STAR70...)	FITC

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

Recommended Useful Reagents

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

ELISA Matched Pair - Detection Antibody

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

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
'M384382:210513'

Printed on 18 Jan 2024