

Datasheet: MCA6193B

BATCH NUMBER 100005181

Description:	MOUSE ANTI HUMAN INTERLEUKIN-8:Biotin
Specificity:	IL-8
Other names:	CXCL8
Format:	Biotin
Product Type:	Monoclonal Antibody
Clone:	8C9E2
Isotype:	IgG2b
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	0.09% Sodium Azide (NaN ₃)
Stabilisers	1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml
Immunogen	<i>E. coli</i> derived recombinant human full length interleukin-8 (Ser28-Ser99)

External Database Links	UniProt: P10145 Related reagents Entrez Gene: 3576 IL8 Related reagents
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 8C9E2 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 biotinylated Mouse anti Human interleukin-8 antibody, clone 8C9E2 (MCA6193B) can be used as a detection antibody in a sandwich ELISA with the purified Mouse anti Human interleukin-8 antibody, clone 4F8A4 (MCA6192GA) as the capture antibody.</p>
Storage	<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>
Guarantee	12 months from date of despatch
Health And Safety Information	<p>Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA6193B 10041</p>
Regulatory	For research purposes only

Related Products

Recommended Useful Reagents

[MOUSE ANTI HUMAN INTERLEUKIN-8 \(MCA6192GA\)](#)

ELISA Matched Pair - Capture Antibody

MOUSE ANTI HUMAN INTERLEUKIN-8 (MCA6192GA)

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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

'M380407:210511'

Printed on 18 Jan 2024

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