

Datasheet: 1012001

Description:	RAT ANTI HUMAN INTERLEUKIN-6
Specificity:	IL-6
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	MQ2-13A5
Isotype:	IgG1
Quantity:	0.5 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
Flow Cytometry (1)	▪			
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Western Blotting (2)	▪			1.0 - 5.0ug/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.

(1)**Membrane permeabilization is required for this application. Bio-Rad recommends the use of Leucoperm™ (Product Code [BUF09](#)) for this purpose.**

(2)**This antibody detects Human IL-6 under reducing conditions.**

Target Species	Human
Product Form	Purified IgG - liquid
Buffer Solution	Borate buffered saline
Preservative Stabilisers	None present
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	COS-7-expressed recombinant human IL-6
External Database Links	UniProt: P05231 Related reagents Entrez Gene:

Synonyms	IFNB2
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Specificity	<p>Mouse anti Human interleukin-6 antibody, clone MQ2-13A5 recognizes human interleukin 6, also known as B-cell stimulatory factor 2, CTL differentiation factor, Hybridoma growth factor or Interferon beta-2. Interleukin-6 is a 183 amino acid ~24 kDa cytokine with a wide range of biological activities. a potent inducer of the acute phase response, acts as a lymphoid cell growth factor acting on B cells, T cells and hybridoma cells.</p> <p>Variations in the interleukin-6 gene modulates susceptibility to onset of juvenile systemic rheumatoid arthritis (RASJ) an inflammatory disorder with early onset and featuring lymphadenopathy, hepatosplenomegaly, serositis, myalgia and arthritis (Fishman et al. 1998).</p>
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Flow Cytometry	Use 10ul of the suggested working dilution to label 1x10 ⁶ cells in 100ul.
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ELISA	Clone MQ2-13A5 may be used in an indirect ELISA or as the capture reagent in a sandwich ELISA with biotinylated clone MQ2-39C3 as the detection antibody.
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References	1. Gilbert, M. <i>et al.</i> (2016) Multiplex single molecule counting (SMC™) technology used to generate IL-4, IL-6 and IL-10 reference limits Analytical Biochemistry. Mar 24 [Epub ahead of print]
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Storage	<p>Store at -20°C only.</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>
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Shelf Life	12 months from the date of despatch.
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Health And Safety Information	<p>Material Safety Datasheet documentation available at:</p> <p>Material Safety Datasheet Documentation #10123 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10123.pdf</p>
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR16...)	DyLight®800
Goat Anti Rat IgG (STAR73...)	RPE
Rabbit Anti Rat IgG (STAR21...)	HRP
Rabbit Anti Rat IgG (STAR17...)	FITC
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	DyLight®549 , DyLight®649 , DyLight®800
Goat Anti Rat IgG (STAR131...)	Alk. Phos. , Biotin
Goat Anti Rat IgG (STAR69...)	FITC
Goat Anti Rat IgG (STAR72...)	HRP

Recommended Negative Controls

[RAT IgG1 NEGATIVE CONTROL \(MCA6004GA\)](#)

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