

## Datasheet: 1012001

<b>Description:</b>	RAT ANTI HUMAN INTERLEUKIN-6
<b>Specificity:</b>	IL-6
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	MQ2-13A5
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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.**

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Buffer Solution</b>	Borate buffered saline
<b>Preservative Stabilisers</b>	None present
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5 mg/ml

**Immunogen** COS-7-expressed recombinant human IL-6

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**External Database**

**Links**

**UniProt:**

[P05231](#)

[Related reagents](#)

**Entrez Gene:**

[3569](#)

IL6

[Related reagents](#)

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**Synonyms**

IFNB2

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**RRID**

AB\_618532

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**Specificity**

**Rat 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.

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](#)).

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**Flow Cytometry**

Use 10ul of the suggested working dilution to label  $1 \times 10^6$  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. *et al.* (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**

Store at -20°C only.

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 #10123 available at: 10123: <https://www.bio-rad-antibodies.com/uploads/MSDS/10123.pdf>

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**Regulatory**

For research purposes only

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## Related Products

## Recommended Secondary Antibodies

Goat Anti Rat IgG (STAR69...)	<a href="#">FITC</a>
Goat Anti Rat IgG (STAR73...)	<a href="#">RPE</a>
Rabbit Anti Rat IgG (STAR16...)	<a href="#">DyLight®800</a>
Rabbit Anti Rat IgG (STAR17...)	<a href="#">FITC</a>
Goat Anti Rat IgG (STAR131...)	<a href="#">Alk. Phos., Biotin</a>
Goat Anti Rat IgG (STAR72...)	<a href="#">HRP</a>
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	<a href="#">DyLight®650, DyLight®800</a>
Rabbit Anti Rat IgG (STAR21...)	<a href="#">HRP</a>

## Recommended Negative Controls

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

<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)  
'M391992:211020'

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