

## Datasheet: MCA6333GA

<b>Description:</b>	MOUSE ANTI HUMAN INTERLEUKIN-6
<b>Specificity:</b>	IL-6
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	C01-1E8
<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-6 (Val30-Met212).

**External Database  
Links**

**UniProt:**

[P05231](#)   [Related reagents](#)

**Entrez Gene:**

[3569](#)   IL6   [Related reagents](#)

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**Synonyms**

IFNB2

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**Fusion Partners**

Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0.

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**Specificity**

**Mouse anti Human interleukin-6 antibody, clone C01-1E8** 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. Interleukin-6 is 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](#)).

The purified Mouse anti Human interleukin-6 antibody, clone C01-1E8 (**MCA6333GA**) can be used as a capture antibody in a sandwich ELISA with the biotinylated Mouse anti Human interleukin-6 antibody, clone J06-1E12 ([MCA6334B](#)) as the detection antibody.

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**Storage**

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.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

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**Guarantee**

12 months from date of despatch

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**Health And Safety  
Information**

Material Safety Datasheet documentation #10040 available at:  
<https://www.bio-rad-antibodies.com/SDS/MCA6333GA>  
10040

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR8...)	<a href="#">DyLight@800</a>

Goat Anti Mouse IgG (STAR76...) [RPE](#)  
Human Anti Mouse IgG2a (HCA037...) [HRP](#)  
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight@488](#), [DyLight@550](#),  
[DyLight@650](#), [DyLight@680](#), [DyLight@800](#),  
[FITC](#), [HRP](#)  
Goat Anti Mouse IgG (STAR70...) [FITC](#)  
Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)  
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

### **Recommended Negative Controls**

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

### **Recommended Useful Reagents**

[MOUSE ANTI HUMAN INTERLEUKIN-6:Biotin \(MCA6334B\)](#)

### **ELISA Matched Pair - Detection Antibody**

[MOUSE ANTI HUMAN INTERLEUKIN-6:Biotin \(MCA6334B\)](#)

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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)  
'M390632:210924'

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