

## Datasheet: 5172-6004

<b>Description:</b>	MOUSE ANTI HUMAN IgG
<b>Specificity:</b>	IgG
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	B33/20
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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	■			

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 the appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by ProSep G chromatography
<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>	1.0 mg/ml
<b>Immunogen</b>	Purified human IgG.

### External Database Links

#### UniProt:

<a href="#">P01857</a>	<a href="#">Related reagents</a>
<a href="#">P01859</a>	<a href="#">Related reagents</a>
<a href="#">P01861</a>	<a href="#">Related reagents</a>
<a href="#">P01857</a>	<a href="#">Related reagents</a>

[P01859](#) [Related reagents](#)  
[P01861](#) [Related reagents](#)  
[P01860](#) [Related reagents](#)  
[P01860](#) [Related reagents](#)

**Entrez Gene:**

[3500](#) IGHG1 [Related reagents](#)  
[3501](#) IGHG2 [Related reagents](#)  
[3500](#) IGHG1 [Related reagents](#)  
[3501](#) IGHG2 [Related reagents](#)  
[3503](#) IGHG4 [Related reagents](#)  
[3503](#) IGHG4 [Related reagents](#)  
[3502](#) IGHG3 [Related reagents](#)  
[3502](#) IGHG3 [Related reagents](#)

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<b>RRID</b>	AB_617307
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<b>Fusion Partners</b>	Spleen cells from immunised Balb/C mice were fused with cells of the Sp2/O-Ag14 myeloma cell line.
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<b>Specificity</b>	<p><b>Mouse anti Human IgG antibody, clone B33/20</b> is reactive with all subclasses of Gamma heavy chain (Cgamma-2).</p> <p>Mouse anti Human IgG antibody, clone B33/20 has not been species cross adsorbed and may cross react with immunoglobulins from other species.</p>
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<b>References</b>	1. Poussin C <i>et al.</i> (2014) Mechanism of an indirect effect of aqueous cigarette smoke extract on the adhesion of monocytic cells to endothelial cells in an <i>in vitro</i> assay revealed by transcriptomics analysis. <a href="#">Toxicol In Vitro. 28 (5): 896-908.</a>
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<b>Storage</b>	<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>
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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: 10040: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)  
Goat Anti Mouse IgG (STAR77...) [HRP](#)  
Rabbit Anti Mouse IgG (STAR12...) [RPE](#)  
Rabbit Anti Mouse IgG (STAR8...) [DyLight®800](#)

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

## Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

<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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