

Datasheet: PMP01

BATCH NUMBER 162558

Description:	PURIFIED MOUSE IgG
Name:	IgG
Format:	Purified
Product Type:	Purified Protein
Quantity:	2 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	▪			
Immunoassay	▪			

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	Mouse
Product Form	Purified mouse IgG - liquid
Preparation	Purified IgG prepared from normal mouse serum by ion exchange chromatography
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1mg/ml

External Database Links**UniProt:**

P01869	Related reagents
P01865	Related reagents
P03987	Related reagents

[P01864](#) [Related reagents](#)
[P01868](#) [Related reagents](#)
[P01867](#) [Related reagents](#)
[P01863](#) [Related reagents](#)
[P01844](#) [Related reagents](#)
[P01837](#) [Related reagents](#)
[P01843](#) [Related reagents](#)
[P01845](#) [Related reagents](#)

Entrez Gene:

[16017](#) Ighg1 [Related reagents](#)
[380793](#) Igh-1a [Related reagents](#)
[16016](#) Ighg2b [Related reagents](#)
[16017](#) Ighg1 [Related reagents](#)
[380793](#) Igh-1a [Related reagents](#)
[380795](#) AI324046 [Related reagents](#)
[16071](#) Ighk-C [Related reagents](#)
[110786](#) Iglc2 [Related reagents](#)
[110787](#) Iglc3 [Related reagents](#)
[380793](#) Igh-1a [Related reagents](#)
[433053](#) LOC433053 [Related reagents](#)

Synonyms Igh-4

RRID AB_482872

Specificity Secreted by mature B cells, IgG are the most abundant immunoglobulin isotype and are major components of the adaptive immune system. IgG are found in all body fluids where they recognize and bind antigenic determinants exposed at the surface of invading pathogens to neutralize pathogens and activate other defense cells and the complement system.

This Mouse IgG preparation has been prepared from normal mouse serum and purified by ion exchange chromatography, but may contain traces of other immunoglobulin class. By immunoelectrophoresis a single band is seen against anti-Mouse IgG and anti-Mouse serum. Trace amounts of other immunoglobulins present may be detected if more sensitive assays such as ELISAs are used.

Purity 90-95% by serum protein electrophoresis

References 1. Tanaka, M. *et al.* (2003) Potential preventive effects of follistatin-related protein/TSC-36 on joint destruction and antagonistic modulation of its autoantibodies in rheumatoid arthritis. [Int Immunol. 15 \(1\): 71-7.](#)
2. Pirotte, S. *et al.* (2011) Dentin matrix protein 1 induces membrane expression of VE-cadherin on endothelial cells and inhibits VEGF-induced angiogenesis by blocking VEGFR-2 phosphorylation. [Blood. 117:2515-26.](#)

3. Klein, D. *et al.* (2015) Endogenous antibodies contribute to macrophage-mediated demyelination in a mouse model for CMT1B. [J Neuroinflammation. 12: 49.](#)

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.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10258 available at: <https://www.bio-rad-antibodies.com/SDS/PMP0110258>

Regulatory For research purposes only

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
----------------------------------	---	------------------	---	---------------	---

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)
'M389768:210806'

Printed on 13 Aug 2023

© 2023 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)