

## Datasheet: PMP01X

**BATCH NUMBER 151007**

|                      |                    |
|----------------------|--------------------|
| <b>Description:</b>  | PURIFIED MOUSE IgG |
| <b>Name:</b>         | IgG                |
| <b>Format:</b>       | Purified           |
| <b>Product Type:</b> | Purified Protein   |
| <b>Quantity:</b>     | 10 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).

|             | <b>Yes</b> | <b>No</b> | <b>Not Determined</b> | <b>Suggested Dilution</b> |
|-------------|------------|-----------|-----------------------|---------------------------|
| 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.

|                                       |  |
|---------------------------------------|--|
| <b>Target Species</b>                 | Mouse  |
| <b>Product Form</b>                   | Purified mouse IgG - liquid  |
| <b>Preparation</b>                    | Purified IgG prepared from normal mouse serum by ion exchange chromatography |
| <b>Buffer Solution</b>                | Phosphate buffered saline  |
| <b>Preservative Stabilisers</b>       | 0.01% Sodium Azide (NaN <sub>3</sub> )                                       |
| <b>Approx. Protein Concentrations</b> | IgG concentration 1mg/ml   |

**External Database Links****UniProt:**

|                        |                                  |
|------------------------|----------------------------------|
| <a href="#">P01869</a> | <a href="#">Related reagents</a> |
| <a href="#">P01865</a> | <a href="#">Related reagents</a> |
| <a href="#">P03987</a> | <a href="#">Related reagents</a> |

[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](#)    Igh-C        [Related reagents](#)  
[110786](#)    Iglc2        [Related reagents](#)  
[110787](#)    Iglc3        [Related reagents](#)  
[380793](#)    Igh-1a       [Related reagents](#)  
[433053](#)    LOC433053   [Related reagents](#)

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**Synonyms**            Igh-4

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**RRID**                AB\_482871

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**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.

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**Purity**                90-95% by serum protein electrophoresis

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**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.](#)

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**Storage** Store at +4°C or at -20°C if preferred.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein. 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 #10258 available at: <https://www.bio-rad-antibodies.com/SDS/PMP01X>  
10258

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**Regulatory** For research purposes only

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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://www.bio-rad-antibodies.com/datasheets)  
'M369560:200529'

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