

Datasheet: PMP01X

BATCH NUMBER 164645

Description:	PURIFIED MOUSE IgG
Name:	IgG
Format:	Purified
Product Type:	Purified Protein
Quantity:	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.

	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	Igk-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_482871

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. 1172515-26.](#)

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.
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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
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Health And Safety Information	Material Safety Datasheet documentation #10258 available at: https://www.bio-rad-antibodies.com/SDS/PMP01X10258
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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)
'M389769:210806'

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