

Datasheet: MCA1011G

Description:	MOUSE ANTI HUMAN IgG2 F(ab') ₂
Specificity:	IgG2 F(ab') ₂
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	HP6200
Isotype:	IgG1
Quantity:	0.2 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
Flow Cytometry			■	
Immunohistology - Frozen (1)	■			
Immunohistology - Paraffin		■		
ELISA	■			
Immunoprecipitation			■	
Western Blotting	■			
Radioimmunoassays	■			

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

(1)The epitope recognised by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. Bio-Rad recommends the use of acetone fixation for frozen sections.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1 mg/ml
Immunogen	Semi-purified normal human IgG2

**External Database
Links**

UniProt:

[P01859](#)

[Related reagents](#)

Entrez Gene:

[3501](#)

IGHG2

[Related reagents](#)

Fusion Partners

Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.

Specificity

Mouse anti Human IgG2 F(ab')₂ antibody, clone HP6200 recognizes human IgG2, binding to an epitope in the F(ab')₂ region incorporating the proline residue (AA 234).

References

1. Jefferis R., Reimer C.B., Skvaril F., de Lange G.G., Goodall D.M., Benrtley T.L., Phillips D.J., Vlug A., Harada S., Radl J., Claassen E., Boersma J.A. and Coolen J. (1992) Evaluation of monoclonal antibodies having specificity for human IgG subclasses; results of the 2nd IUIS/WHO collaborative study. [Immunology Letts.31: 143-168.](#)
2. Harada S., Nishimura S., Saiga A., Hosoi S. and Mikawa H. (1989) Evaluation of production and characterization of monoclonal antibodies to human IgG of four subclasses. [Microbiol. Immunol. 33: 579-592.](#)
3. Harada S., Hata S., Kosada Y. and Kondo E. (1991) Identification of epitopes recognised by a panel of six anti-human IgG2 monoclonal antibodies. [J. Immunol. Methods 141: 89-96.](#)
4. Harada S., Takagi S., Kosada Y. and Kondo E. (1992) Hinge region of human IgG2 protein: conformational studies with monoclonal antibodies. [Mol. Immunol. 29: 145-149.](#)
5. Findlow, H. *et al.* (2006) Immunoglobulin G subclass response to a meningococcal quadrivalent polysaccharide-diphtheria toxoid conjugate vaccine. [Clin Vaccine Immunol. 13: 507-10.](#)

Storage

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

This product should be stored undiluted.br />

Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

18 months from date of despatch.

**Health And Safety
Information**

Material Safety Datasheet documentation available at:
Material Safety Datasheet Documentation #10040 available at:
<https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)

[RPE](#)

Goat Anti Mouse IgG IgA IgM (STAR87...)[Alk. Phos.](#), [HRP](#)

Goat Anti Mouse IgG (H/L) (STAR117...)
[Alk. Phos.](#), [DyLight®488](#), [DyLight®549](#),
[DyLight®649](#), [DyLight®680](#), [DyLight®800](#),
[FITC](#), [HRP](#)

Rabbit Anti Mouse IgG (STAR9...)

[FITC](#)

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR13...)	HRP
Human Anti Mouse IgG1 (HCA036...)	HRP

Recommended Negative Controls

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

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

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