

Datasheet: MCA514G

Description:	MOUSE ANTI HUMAN IgG1 (Fc)
Specificity:	IgG1 (Fc)
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	8c/6-39 (HP6091)
Isotype:	IgG2a
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			■	
Immunodiffusion	■			

Where this antibody 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 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 1.0 mg/ml
Immunogen	Purified Human IgG1.

**External Database
Links**

UniProt:

[P01857](#) [Related reagents](#)

Entrez Gene:

[3500](#) IGHG1 [Related reagents](#)

Fusion Partners Spleen cells from immunized BALB/c mice were fused with cells of the SP2/0 AG14 mouse myeloma cell line.

Specificity **Mouse anti Human IgG1 (Fc) antibody, clone 8c/6-39** recognizes an epitope within the CH2 domain of the Fc region in Human IgG1. It is negative on IgG2, IgG3, IgG4, free kappa or free lambda, IgM, IgA1 (lambda), IgA2 (kappa) and IgD.

References

1. Jefferis, R. *et al.* (1985) Evaluation of monoclonal antibodies having specificity for human IgG sub-classes: results of an IUIS/WHO collaborative study. [Immunol Lett. 10 \(3-4\): 223-52.](#)
2. Hussain, R. *et al.* (1986) Use of monoclonal antibodies to quantify subclasses of human IgG. I. Development of two-site immunoenzymometric assays for total IgG subclass determinations. [J Immunol Methods. 93 \(1\): 89-96.](#)
3. Jefferis, R. & Kumaratne, D.S. (1990) Selective IgG subclass deficiency: quantification and clinical relevance. [Clin Exp Immunol. 81 \(3\): 357-67.](#)
4. Mutapi, F. *et al.* (2002) The effect of treatment on the age-antibody relationship in children infected with *Schistosoma mansoni* and *Schistosoma haematobium*. [Mem Inst Oswaldo Cruz. 97 Suppl 1: 173-80.](#)

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

This product should be stored undiluted.

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 #10040 available at:
10040: <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
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

Human Anti Mouse IgG2a (HCA037...) [FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®549](#),
[DyLight®649](#), [DyLight®680](#), [DyLight®800](#),
[FITC](#), [HRP](#)

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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