Datasheet: MCA878G

BATCH NUMBER 148842

Description:	MOUSE ANTI HUMAN IgG (CH3 DOMAIN)
Specificity:	IgG (CH3 DOMAIN)
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	A57H
Isotype:	IgM
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			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting	▪			
Haemagglutination	▪			

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.

Target Species	Human
Product Form	Purified IgM - liquid
Preparation	Purified IgM prepared by thiosorb chromatography from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN_3)
Approx. Protein Concentrations	IgM concentration 1.0mg/ml

Immunogen	pFc' from purified protein of Heavy Chain Disease.
External Database Links	**UniProt:** P01857 Related reagents P01859 Related reagents P01834 Related reagents P01861 Related reagents P01860 Related reagents **Entrez Gene:** 3500 IGHG1 Related reagents 3501 IGHG2 Related reagents 3502 IGHG3 Related reagents 3503 IGHG4 Related reagents 3514 IGKC Related reagents
RRID	AB_567030
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the NS0 mouse myeloma cell line.
Specificity	**Mouse anti Human IgG (CH3 Domain) antibody, clone A57H** reacts with the CH3 domain of human IgG

References

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3. Komatsuda, A. *et al.* (2008) Monoclonal immunoglobulin deposition disease associated with membranous features. Nephrol Dial Transplant. 23 (12): 3888-94.
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6. Ruffini, P.A. *et al.* (2014) Targeted DNA vaccines eliciting crossreactive anti-idiotypic antibody responses against human B cell malignancies in mice. J Transl Med. 12: 207.
7. Nacka-Aleksić M *et al.* (2015) Sexual dimorphism in the aged rat CD4+ T lymphocyte-mediated immune response elicited by inoculation with spinal cord homogenate. Mech Ageing Dev. 152: 15-31.
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9. Grodeland, G. *et al.* (2016) Antigen Targeting to Human HLA Class II Molecules Increases Efficacy of DNA Vaccination. J Immunol. 197 (9): 3575-85.

10. Baranowska, M. *et al.* (2015) Targeting of nucleoprotein to chemokine receptors by DNA vaccination results in increased CD8(+)-mediated cross protection against influenza. Vaccine. 33 (49): 6988-96.
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12. Grodeland, G. *et al.* (2020) Targeting of HA to chemokine receptors induces strong and cross-reactive T cell responses after DNA vaccination in pigs. Vaccine. 38 (6): 1280-5.

Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA878G 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgM (STAR138...) Alk. Phos.
Goat Anti Mouse IgG IgA IgM (STAR87...) Alk. Phos., HRP

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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
'M372129:200619'

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