

Datasheet: MCA1983

Description:	MOUSE ANTI HUMAN CD236
Specificity:	CD236
Other names:	GLYCOPHORIN C
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	BGRL100
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	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting	▪			

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 IgG - liquid
Buffer Solution	TRIS buffered glycine
Preservative Stabilisers	0.09% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Synthetic peptide corresponding to amino acids in the cytoplasmic domain of CD236.
External Database Links	<p>UniProt:</p> <p>P04921 Related reagents</p> <p>Entrez Gene:</p>

Synonyms	GLPC, GPC
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Fusion Partners	Spleen cells from immunized Balb/c mice were fused with cells of the myeloma cell line.
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Specificity	Mouse anti Human CD236 antibody, clone BGRL100 recognizes a 17 amino acid residue within the cytoplasmic domain of glycoprotein C (GPC), which has recently been designated CD236. CD236 is an integral membrane protein which carries the Gerbich blood group antigens. Expression of CD236 is not restricted to erythroid cells, but is broadly distributed in both erythroid and non-erythroid tissues.
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References	<ol style="list-style-type: none">1. King, M.J. <i>et al.</i> (1995) Reactivity with erythroid and non-erythroid tissues of a murine monoclonal antibody to a synthetic peptide having amino acid sequence common to cytoplasmic domain of human glycoproteins C and D. Br J Haematol. 89 (3): 440-8.2. Wilder, J.A. <i>et al.</i> (2009) Molecular evolution of GYPC: evidence for recent structural innovation and positive selection in humans. Mol Biol Evol. 26 (12): 2679-87.
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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.
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Shelf Life	18 months from date of despatch.
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Health And Safety Information	Material Safety Datasheet documentation #10072 available at: 10072: https://www.bio-rad-antibodies.com/uploads/MSDS/10072.pdf
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Regulatory	For research purposes only
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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
Rabbit Anti Mouse IgG (STAR13...)	HRP
Human Anti Mouse IgG1 (HCA036...)	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 IgG1 NEGATIVE CONTROL (MCA928)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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Printed on 01 Aug 2018

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