

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 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	Human
Product Form	Purified IgG - liquid
Preparation	Antibody purified from tissue culture supernatant
Buffer Solution	TRIS buffered glycine
Preservative Stabilisers	<0.1% sodium azide (NaN ₃)
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: P04921 Related reagents</p> <p>Entrez Gene: 2995 GYPC Related reagents</p>
Synonyms	GLPC, GPC
RRID	AB_323274
Fusion Partners	Spleen cells from immunized Balb/c mice were fused with cells of the myeloma cell line.
Specificity	<p>Mouse anti Human CD236 antibody, clone BGRL100 recognizes a 17 amino acid residue within the cytoplasmic domain of glycoporphin C (GPC), which has recently been designated CD236.</p> <p>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.</p>
References	<ol style="list-style-type: none"> 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 glycoporphins C and D. Br J Haematol. 89 (3): 440-8. Wildier, 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.
Storage	<p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10072 available at: https://www.bio-rad-antibodies.com/SDS/MCA1983 10072
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE

Goat Anti Mouse IgG (STAR70...) [FITC](#)
Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Goat Anti Mouse IgG (STAR76...) [RPE](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),
[FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)

Recommended Negative Controls

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

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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
'M412443:221111'

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