

Datasheet: MCA2153GA

Description:	MOUSE ANTI HUMAN CD281
Specificity:	CD281
Other names:	TLR1
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	GD2.F4
Isotype:	IgG1
Quantity:	0.1 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	▪			1/10 - 1/100
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. 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.

Target Species	Human
Product Form	Purified IgG - liquid
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	CD281 (TLR1) Fc fusion protein.

External Database Links

UniProt:

[Q15399](https://www.uniprot.org/entry/Q15399)

[Related reagents](#)

Entrez Gene:

Synonyms	KIAA0012
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Fusion Partners	Spleen cells from immunised mice where fused with cells of the NS0/1 myeloma cell line.
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Specificity	<p>Mouse anti Human CD281 antibody, clone GD2.F4 recognizes human Toll-like receptor 1, also known as CD281 or Toll/interleukin-1 receptor-like protein. CD281 is a 786 amino acid ~90 kDa single pass type 1 transmembrane glycoprotein protein expressed by peripheral blood leukocytes and in tissues such as, spleen and thymus.</p> <p>CD281 plays an important role in the innate immune response to microbial pathogens (Netea et al. 2004).</p> <p>Mouse anti Human CD281 antibody, clone GD2.F4 does not cross react with CD282 (TLR2), CD284 (TLR4) or TLR4/MD-2.</p>
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Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
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References	<ol style="list-style-type: none">1. Wyllie, D.H. <i>et al.</i> (2000) Evidence for an accessory protein function for Toll-like receptor 1 in anti-bacterial responses. J Immunol. 165 (12): 7125-32.2. Uciechowski, P. <i>et al.</i> (2011) Susceptibility to tuberculosis is associated with TLR1 polymorphisms resulting in a lack of TLR1 cell surface expression. J Leukoc Biol. 90 (2): 377-88.3. Visintin, A. <i>et al.</i> (2001) Regulation of Toll-like receptors in human monocytes and dendritic cells. J Immunol. 166 (1): 249-55.
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Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>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.</p>
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Shelf Life	18 months from date of despatch.
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Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.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 20 Jun 2018

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