

Datasheet: MCA2153

Description:	MOUSE ANTI HUMAN CD281
Specificity:	CD281
Other names:	TLR1
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	GD2.F4
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	Phosphate buffered saline
Preservative Stabilisers	< 0.1% sodium azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml

Immunogen	CD281 (TLR1) Fc fusion protein.
External Database Links	<p>UniProt: Q15399 Related reagents</p> <p>Entrez Gene: 7096 TLR1 Related reagents</p>
Synonyms	KIAA0012
RRID	AB_324413
Fusion Partners	Spleen cells from immunised mice where fused with cells of the NS0/1 myeloma cell line.
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 <i>et al.</i> 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>
Flow Cytometry	Use 10µl of the suggested working dilution to label 10 ⁶ cells in 100µl
References	<ol style="list-style-type: none"> 1. Visintin, A. <i>et al.</i> (2001) Regulation of Toll-like receptors in human monocytes and dendritic cells. J Immunol. 166 (1): 249-55. 2. Klaffenbach, D. <i>et al.</i> (2005) Regulation and signal transduction of toll-like receptors in human chorioncarcinoma cell lines. Am J Reprod Immunol. 53 (2): 77-84. 3. 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. 4. Dreschler, K. <i>et al.</i> (2011) Impact of immunotherapy on blood dendritic cells in patients with Hymenoptera venom allergy. J Allergy Clin Immunol. 127 (2): 487-494.e1-3.
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	Material Safety Datasheet documentation #10040 available at:

Information 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 (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 \(MCA928\)](#)

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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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M415493:230105'

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