

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
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 Related reagents Entrez Gene:

Synonyms	KIAA0012
Fusion Partners	Spleen cells from immunised mice where fused with cells of the NS0/1 myeloma cell line.
Specificity	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. CD281 plays an important role in the innate immune response to microbial pathogens (Netea et al. 2004). Mouse anti Human CD281 antibody, clone GD2.F4 does not cross react with CD282 (TLR2), CD284 (TLR4) or TLR4/MD-2.
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
References	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.
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.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 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 (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 \(MCA928\)](#)

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