

Datasheet: MCA2484PE

Description:	MOUSE ANTI HUMAN CD282:RPE
Specificity:	CD282
Other names:	TLR2
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	11G7
Isotype:	IgG1
Quantity:	100 TESTS

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	■			Neat - 1/10

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 conjugated to R. Phycoerythrin (RPE) - lyophilized		
Reconstitution	Reconstitute with 1ml distilled water		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	RPE 488nm laser	496	578
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% Sodium Azide (NaN ₃)		
Stabilisers	1%	Bovine Serum Albumin	
	5%	Sucrose	

External Database Links

UniProt:

[O60603](#) [Related reagents](#)

Entrez Gene:

[7097](#) TLR2 [Related reagents](#)

Synonyms	TIL4
Specificity	Mouse anti Human CD282 antibody, clone 11G7 recognizes the human Toll-like receptor 2 (TLR2), a ~90 kDa type 1 transmembrane protein that is primarily expressed by peripheral blood monocytes. TLR2, also known as CD282, is reported to respond to a diverse range of bacterial cell wall components, mediating the innate immune response in co-operation with MD-2. Mouse anti Human CD282 antibody, clone 11G7 has been reported to block IL-6 cytokine production in response to ara-lipoarabinomannan (araLAM) and tripalmitoyl cysteinyl lipopeptide (Pam3CSK4) (Sandor et al. 2003). Clone 11G7 does not inhibit the production of cytokines induced by zymosan stimulation.
Flow Cytometry	Use 10ul of the suggested working dilution to label 1x10 ⁶ cells in 100ul.
References	1. Sandor, F. <i>et al.</i> (2003) Importance of extra- and intracellular domains of TLR1 and TLR2 in NFkappa B signaling. J Cell Biol. 162 (6): 1099-110. 2. Zhou, S. <i>et al.</i> (2010) Discovery of a novel TLR2 signaling inhibitor with anti-viral activity. Antiviral Res. 87 (3): 295-306. 3. Royer, P.J. <i>et al.</i> (2010) The mannose receptor mediates the uptake of diverse native allergens by dendritic cells and determines allergen-induced T cell polarization through modulation of IDO activity. J Immunol. 185 (3): 1522-31. 4. Chen, E.S. <i>et al.</i> (2010) Serum amyloid A regulates granulomatous inflammation in sarcoidosis through Toll-like receptor-2. Am J Respir Crit Care Med. 181 (4): 360-73. 5. Nguyen, D.N. <i>et al.</i> (2016) Oral antibiotics increase blood neutrophil maturation and reduce bacteremia and necrotizing enterocolitis in the immediate postnatal period of preterm pigs. Innate Immun. 22 (1): 51-62. 6. Royer, P.J. <i>et al.</i> (2010) The mannose receptor mediates the uptake of diverse native allergens by dendritic cells and determines allergen-induced T cell polarization through modulation of IDO activity. J Immunol. 185 (3): 1522-31.
Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	12 months from date of reconstitution.
Health And Safety Information	Material Safety Datasheet documentation #10075 available at: 10075: https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:RPE \(MCA928PE\)](#)

Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

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