

Datasheet: MCA2629GA

Description:	MOUSE ANTI HUMAN CD275
Specificity:	CD275
Other names:	B7-H2
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	MIH11
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	▪			1/20 - 1/200
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	
Functional Assays			▪	

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	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)

Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	CD275 - L cells.
External Database Links	<p>UniProt: O75144 Related reagents</p> <p>Entrez Gene: 23308 ICOSLG Related reagents</p>
Synonyms	B7H2, B7RP1, ICOSL, KIAA0653
RRID	AB_2295737
Fusion Partners	Spleen cells from immunized BALB/c mice were fused with cells of the P3U1 myeloma cell line.
Specificity	<p>Mouse anti Human CD275 antibody, clone MIH11 detects CD275, also known as ICOS ligand (inducible T cell co-stimulator ligand). CD275 is a member of the B7 family, and interaction with its receptor CD278 (ICOS) plays an important role in T cell co-stimulation and inflammatory immune reactions.</p> <p>CD275 is expressed on activated B-cells, monocytes and dendritic cells and is also induced on non-lymphoid tissue cells such as endothelial cells, epithelial cells and muscle cells. CD275 has an important physiological role in the reactivation of effector/memory T cells on the endothelium, thus controlling entry of immune cells into inflamed tissue.</p> <p>The CD278-CD275 pathway is thought to be critical in the immune response to transplants, allergies and autoimmune diseases.</p> <p>Mouse anti Human CD275 antibody, clone MIH11 is reported to partially block the interaction between CD275 and CD278.</p>
Flow Cytometry	Use 10ul of the suggested working dilution to label 1×10^6 cells in 100ul.
Histology Positive Control Tissue	Tonsil
References	1. Youngnak-Piboonratanakit, P. <i>et al.</i> (2006) Expression and regulation of human CD275 on endothelial cells in healthy and inflamed mucosal tissues. Scand J Immunol. 63 (3): 191-8.
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may</p>

denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee	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 IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , 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
----------------------------------	---	------------------	---	---------------	---

From March 15, 2021, we will no longer supply printed datasheets with our products.
Look out for updates on how to access your digital version at bio-rad-antibodies.com

'M349477:190306'

Printed on 09 Feb 2021