

Datasheet: MCA2421

Description:	MOUSE ANTI HUMAN CD244
Specificity:	CD244
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	2B4.69
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	▪			1/50 - 1/200
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
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
Carrier Free	Yes

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	CD244 Fusion protein.
External Database Links	<p>UniProt: Q9BZW8 Related reagents</p> <p>Entrez Gene: 51744 CD244 Related reagents</p>
Synonyms	2B4
RRID	AB_566664
Fusion Partners	Spleen cells from immunized Balb/c mice were fused with cells of the NS-1 myeloma cell line.
Specificity	<p>Mouse anti Human CD244 antibody, clone 2B4.69 recognizes the CD244 cell surface antigen, also known as natural killer receptor 2B4 (NKG2B4). CD244 is a 370 amino acid single pass type I transmembrane glycoprotein with two Ig-like V type domains. CD244 is a member of the SLAM family of receptors expressed on natural killer (NK) cells, gamma delta T cells, CD14+ monocytes, and a subset of CD8+ T cells.</p> <p>CD244 was originally identified as an activating receptor on NK cells, The receptor may have a wide range of activities including NK cell activation, co-stimulation, or even inhibition, depending on the cell type and stage of differentiation. The ligand of CD244 is CD48, a GPI-anchored membrane protein also belonging to the SLAM family.</p>
Flow Cytometry	Use 10ul of the suggested working dilution to label 1×10^6 cells in 100ul.
References	<ol style="list-style-type: none"> Romero, X. <i>et al.</i> (2005) CD229 (Ly9) lymphocyte cell surface receptor interacts homophilically through its N-terminal domain and relocalizes to the immunological synapse. J Immunol. 174 (11): 7033-42. Bensch, B. <i>et al.</i> (2014) Restoration of HBV-specific CD8+ T cell function by PD-1 blockade in inactive carrier patients is linked to T cell differentiation. J Hepatol. 61 (6): 1212-9. Raziorrouh, B. <i>et al.</i> (2010) The Immunoregulatory Role of CD244 in Chronic Hepatitis B Infection and its Inhibitory Potential on Virus-Specific CD81 T-cell Function. Hepatology. 52: 1934-47. Boussaad, I. <i>et al.</i> (2011) Wild-type measles virus interferes with short-term engraftment of human CD34+ hematopoietic progenitor cells. J Virol. 85: 7710-8.
Storage	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.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee	12 months from date of despatch
------------------	---------------------------------

Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA2421 10040
--------------------------------------	--

Regulatory	For research purposes only
-------------------	----------------------------

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC

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
----------------------------------	---	------------------	---	---------------	---

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)
'M383826:210513'

Printed on 19 Jan 2024