

Datasheet: MCA1014G

BATCH NUMBER 0312R

Description:	MOUSE ANTI MOUSE CD44
Specificity:	CD44
Other names:	H-CAM, PGP-1
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	5035-41.1D
Isotype:	IgG1
Quantity:	0.25 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 - 1/100
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	Mouse
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	Spleen cells from B6PL-Ly-2a / Ly-3a B6-Ly-1a mice.
External Database Links	<p>UniProt: P15379 Related reagents</p> <p>Entrez Gene: 12505 Cd44 Related reagents</p>
Synonyms	Ly-24
RRID	AB_321715
Fusion Partners	Spleen cells from immunized mice were fused with cells of the mouse P3-NS1-1-Ag4 myeloma cell line.
Specificity	<p>Mouse anti Mouse CD44 antibody, clone 5035-41.1D recognizes human CD44, also known as Lymphocyte antigen 24, Extracellular matrix receptor III, GP90 lymphocyte homing/adhesion receptor, HUTCH-I, Phagocytic glycoprotein I (PGP-1), Hermes antigen or Hyaluronate receptor. CD44 is found on >90% bone marrow cells and spleen cells, 56% of thymus cells and 90% of lymph node cells.</p> <p>Mouse anti Mouse CD44 antibody, clone 5035-41.1D recognizes the following strains of mice:- C57BL/6, C57BL/10, C57/L, C58A, AKR, 129, SJL, NZB, C3H, CE, CBA/H.</p>
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells or 100ul whole blood
References	<ol style="list-style-type: none"> 1. A, A. <i>et al.</i> (2001) Cell surface-expressed moesin-like receptor regulates T cell interactions with tissue components and binds an adhesion-modulating IL-2 peptide generated by elastase. J Immunol. 166 (5): 3052-60. 2. Qian, K. <i>et al.</i> (2015) Effects of Tanshinone IIA on osteogenic differentiation of mouse bone marrow mesenchymal stem cells. Naunyn Schmiedebergs Arch Pharmacol. 388 (11): 1201-9.
Storage	<p>Store at +4°C for one month or at -20°C for longer.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
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/MCA1014G

Regulatory

For research purposes only

Related Products**Recommended Secondary Antibodies**

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
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 (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP

North & South Tel: +1 800 265 7376**America** Fax: +1 919 878 3751Email: 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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