

Datasheet: MCA1731

Description:	MOUSE ANTI HUMAN CD44v7
Specificity:	CD44v7
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	VFF-9
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	▪			1/50
Immunohistology - Frozen	▪			1/50
Immunohistology - Paraffin (1)	▪			1/50
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.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Antibody purified from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	<0.1% sodium azide (NaN ₃)

Approx. Protein Concentrations	IgG concentration 1 mg/ml
Immunogen	Glutathione S Transferase (GST) fusion protein corresponding to the variable domains (v3 to v10) of human CD44.
External Database Links	<p>UniProt: P16070 Related reagents</p> <p>Entrez Gene: 960 CD44 Related reagents</p>
Synonyms	LHR, MDU2, MDU3, MIC4
RRID	AB_322695
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the P3X63Ag8.653 myeloma cell line.
Specificity	Mouse anti Human CD44v7 antibody, clone VFF-9 specifically recognizes an epitope encoded by exon v7 on the variant portion of human CD44.
Flow Cytometry	Use 10µl of the suggested working dilution to label 10 ⁶ cells in 100µl
Histology Positive Control Tissue	Human skin
References	<ol style="list-style-type: none"> 1. Bänkfalvi, A. <i>et al.</i> (1998) Gains and losses of CD44 expression during breast carcinogenesis and tumour progression. Histopathology. 33 (2): 107-16. 2. Koopman, G. <i>et al.</i> (1993) Activated human lymphocytes and aggressive non-Hodgkin's lymphomas express a homologue of the rat metastasis-associated variant of CD44. J Exp Med. 177 (4): 897-904. 3. Kim, J.S. and Werth, V.P. (2011) Identification of specific chondroitin sulfate species in cutaneous autoimmune disease. J Histochem Cytochem. 59: 780-90. 4. Rajarajan, A. <i>et al.</i> (2012) CD44 expression in oro-pharyngeal carcinoma tissues and cell lines. PLoS One. 7: e28776. 5. Hanley, W.D. <i>et al.</i> (2005) Variant isoforms of CD44 are P- and L-selectin ligands on colon carcinoma cells. FASEB J. 20: 337-9. 6. Kim, J.S. <i>et al.</i> (2012) Gottron's papules exhibit dermal accumulation of CD44 variant 7 (CD44v7) and its binding partner osteopontin: a unique molecular signature. J Invest Dermatol. 132 (7): 1825-32. 7. Shirure, V.S. <i>et al.</i> (2015) CD44 variant isoforms expressed by breast cancer cells are functional E-selectin ligands under flow conditions. Am J Physiol Cell Physiol. 308 (1): C68-78. 8. Noori, M.S. <i>et al.</i> (2018) An adhesion based approach for the detection of esophageal cancer. Integr Biol (Camb). 10 (12): 747-57.
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
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Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	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
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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M415481:230105'

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