

## Datasheet: MCA1734

<b>Description:</b>	MOUSE ANTI HUMAN CD44v3
<b>Specificity:</b>	CD44v3
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	VFF-327
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			10ug/ml
Immunohistology - Frozen	▪			10ug/ml
Immunohistology - Paraffin (1)	▪			10ug/ml
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.

**(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.**

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	<0.1% Sodium Azide (NaN <sub>3</sub> )

<b>Approx. Protein Concentrations</b>	IgG concentration 1 mg/ml
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P16070</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">960</a> CD44    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	LHR, MDU2, MDU3, MIC4
<b>RRID</b>	AB_322700
<b>Specificity</b>	<b>Mouse anti Human CD44v3 antibody, clone VFF-327</b> recognizes an epitope encoded by exon V3 on the variant portion of human CD44.
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells or 100ul whole blood
<b>References</b>	<ol style="list-style-type: none"> <li>1. Alam, T.N. <i>et al.</i> (2004) Differential expression of CD44 during human prostate epithelial cell differentiation. <a href="#">J Histochem Cytochem. 52 (8): 1083-90.</a></li> <li>2. Kim, J.S. &amp; Werth, V.P. (2011) Identification of specific chondroitin sulfate species in cutaneous autoimmune disease. <a href="#">J Histochem Cytochem. 59 (8): 780-90.</a></li> <li>3. Bauer, S. <i>et al.</i> (2006) Fibroblast activation protein is expressed by rheumatoid myofibroblast-like synoviocytes. <a href="#">Arthritis Res Ther. 8: R171.</a></li> <li>4. Hanley, W.D. <i>et al.</i> (2006) Variant isoforms of CD44 are P- and L-selectin ligands on colon carcinoma cells. <a href="#">FASEB J. 20: 337-9.</a></li> <li>5. Shirure, V.S. <i>et al.</i> (2015) CD44 variant isoforms expressed by breast cancer cells are functional E-selectin ligands under flow conditions. <a href="#">Am J Physiol Cell Physiol. 308 (1): C68-78.</a></li> <li>6. Spadea, A. <i>et al.</i> (2019) Evaluating the Efficiency of Hyaluronic Acid for Tumor Targeting via CD44. <a href="#">Mol Pharm. 16 (6): 2481-93.</a></li> <li>7. Birzele, F. <i>et al.</i> (2015) Markers for the responsiveness to anti-cd44 antibodies <a href="#">Patent Application Publication: US 2015/0044232 A1</a></li> <li>8. Noori, M.S. <i>et al.</i> (2018) An adhesion based approach for the detection of esophageal cancer. <a href="#">Integr Biol (Camb). 10 (12): 747-57.</a></li> </ol>
<b>Storage</b>	<p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: 10040: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR8...)	<a href="#">DyLight@800</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">Alk. Phos.</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight@488</a> , <a href="#">DyLight@550</a> , <a href="#">DyLight@650</a> , <a href="#">DyLight@680</a> , <a href="#">DyLight@800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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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](https://bio-rad-antibodies.com/datasheets)

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