

## Datasheet: MCA1732

**BATCH NUMBER 159572**

<b>Description:</b>	MOUSE ANTI HUMAN CD44v7/8
<b>Specificity:</b>	CD44v7/8
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	VFF-17
<b>Isotype:</b>	IgG2b
<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	▪			1/10 - 1/100
Immunohistology - Frozen	▪			1/100 - 1/1000
Immunohistology - Paraffin (1)	▪			1/100
ELISA			▪	
Immunoprecipitation			▪	

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>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	None present
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml

<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P16070</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">960</a> CD44 <a href="#">Related reagents</a>
<b>Synonyms</b>	LHR, MDU2, MDU3, MIC4
<b>RRID</b>	AB_322697
<b>Specificity</b>	<b>Mouse anti Human CD44v7/8 antibody, clone VFF-17</b> specifically recognizes an epitope encoded by exons v7-v8 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 in 100ul.
<b>References</b>	<ol style="list-style-type: none"> <li>1. Wibulswas, A. <i>et al.</i> (2000) The CD44v7/8 epitope as a target to restrain proliferation of fibroblast-like synoviocytes in rheumatoid arthritis. <a href="#">Am J Pathol. 157 (6): 2037-44.</a></li> <li>2. Alam, T.N. <i>et al.</i> (2004) Differential expression of CD44 during human prostate epithelial cell differentiation. <a href="#">J Histochem Cytochem. 52: 1083-90.</a></li> <li>3. 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>4. Rajarajan, A. <i>et al.</i> (2012) CD44 expression in oro-pharyngeal carcinoma tissues and cell lines. <a href="#">PLoS One. 7: e28776.</a></li> <li>5. 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>6. 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>7. 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>	Store at -20°C only. Storage in frost-free freezers is not recommended. 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.
<b>Guarantee</b>	Guaranteed until date of expiry. Please see product label.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10162 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA1732">https://www.bio-rad-antibodies.com/SDS/MCA1732</a> 10162
<b>Regulatory</b>	For research purposes only

## Related Products

## Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">Alk. Phos.</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</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>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>

## Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL \(MCA691\)](#)

<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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Printed on 25 Mar 2023