

## Datasheet: MCA1730F

**BATCH NUMBER 155220**

<b>Description:</b>	MOUSE ANTI HUMAN CD44v6:FITC
<b>Specificity:</b>	CD44v6
<b>Format:</b>	FITC
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	VFF-7
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	100 TESTS

### 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	▪			Neat
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	

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.

<b>Target Species</b>	Human		
<b>Product Form</b>	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	FITC	490	525
<b>Buffer Solution</b>	Tris buffered saline		
<b>Preservative</b>	0.02% Sodium Azide		
<b>Stabilisers</b>	1% Bovine Serum Albumin		
<b>Approx. Protein Concentrations</b>	IgG concentration 0.1mg/ml		

**Immunogen** Glutathione S Transferase (GST) fusion protein corresponding to the variable domains (v3 to v10) of human CD44.

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**External Database Links**

**UniProt:**

[P16070](#)    [Related reagents](#)

**Entrez Gene:**

[960](#)    CD44    [Related reagents](#)

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**Synonyms** LHR, MDU2, MDU3, MIC4

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**RRID** AB\_322694

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**Fusion Partners** Spleen cells from immunized BALB/c micewere fused with cells of the P3X63Ag8.653 myeloma cell line.

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**Specificity** **Mouse anti Human CD44v6 antibody, clone VFF-7** recognizes an epitope encoded by exon v6 on the variant portion of human CD44.

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**Flow Cytometry** Use 10ul of the suggested working dilution to label 10<sup>6</sup> cells in 100ul.

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**References**

1. Neumayer, R. *et al.* (1999) CD44 expression in benign and malignant colorectal polyps. [Dis Colon Rectum. 42 \(1\): 50-5.](#)
  2. Koopman, G. *et al.* (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. Yoo, S.H. *et al.* (2005) Expression patterns of markers for type II pneumocytes in pulmonary sclerosing hemangiomas and fetal lung tissues. [Arch Pathol Lab Med. 129 \(7\): 915-9.](#)
  4. Kim, J.S. and Werth, V.P. (2011) Identification of specific chondroitin sulfate species in cutaneous autoimmune disease. [J Histochem Cytochem. 59: 780-90.](#)
  5. Chaiyarit, P. *et al.* (2008) Alteration of the expression of CD44 isoforms in oral epithelia and saliva from patients with oral lichen planus. [J Clin Immunol. 28: 26-34.](#)
  6. Shirure, V.S. *et al.* (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.](#)
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**Storage**

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost free freezers is not recommended. This product is photosensitive and should be protected from light.

Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10058 available at:  
<https://www.bio-rad-antibodies.com/SDS/MCA1730F>  
10058

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**Regulatory** For research purposes only

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## Related Products

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:FITC \(MCA928F\)](#)

### Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto: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](mailto: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](mailto: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)  
'M365632:200529'

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