

Datasheet: MCA1731F

Description:	MOUSE ANTI HUMAN CD44v7:FITC
Specificity:	CD44v7
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	VFF-9
Isotype:	IgG1
Quantity:	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.

	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.

Target Species	Human		
Product Form	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	FITC	490	525
Buffer Solution	Tris buffered saline		
Preservative Stabilisers	0.02% Sodium Azide		
	1% Bovine Serum Albumin		
Immunogen	Glutathione S Transferase (GST) fusion protein corresponding to the variable domains (v3 to v10) of human CD44.		
External Database Links	UniProt:		
	P16070 Related reagents		
	Entrez Gene:		
	960 CD44 Related reagents		

Synonyms	LHR, MDU2, MDU3, MIC4
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 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
References	<ol style="list-style-type: none"> 1. Bånkfalvi, 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.
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost free freezers is not recommended. This product is photosensitive and should be protected from light.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10058 available at: 10058: https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf
Regulatory	For research purposes only

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

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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