

Datasheet: MCA1732F

Description:	MOUSE ANTI HUMAN CD44v7/8:FITC
Specificity:	CD44v7/8
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	VFF-17
Isotype:	IgG2b
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	0.02% Sodium Azide		
Stabilisers	1% Bovine Serum Albumin		
External Database Links	UniProt: P16070 Related reagents		
	Entrez Gene: 960 CD44 Related reagents		
Synonyms	LHR, MDU2, MDU3, MIC4		
Specificity	Mouse anti Human CD44v7/8 antibody, clone VFF-17 specifically recognizes an epitope encoded		

by exons v7-v8 on the variant portion of human CD44.

Flow Cytometry Use 10ul of the suggested working dilution to label 10⁶ cells in 100ul.

References

1. Wibulswas, A. *et al.* (2000) The CD44v7/8 epitope as a target to restrain proliferation of fibroblast-like synoviocytes in rheumatoid arthritis. [Am J Pathol. 157 \(6\): 2037-44.](#)
2. Alam, T.N. *et al.* (2004) Differential expression of CD44 during human prostate epithelial cell differentiation. [J Histochem Cytochem. 52: 1083-90.](#)
3. Hanley, W.D. *et al.* (2006) Variant isoforms of CD44 are P- and L-selectin ligands on colon carcinoma cells. [FASEB J. 20: 337-9.](#)
4. Rajarajan, A. *et al.* (2012) CD44 expression in oro-pharyngeal carcinoma tissues and cell lines. [PLoS One. 7: e28776.](#)
5. Bauer, S. *et al.* (2006) Fibroblast activation protein is expressed by rheumatoid myofibroblast-like synoviocytes. [Arthritis Res Ther. 8: R171.](#)
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.](#)

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.

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 IgG2b NEGATIVE CONTROL:FITC \(MCA691F\)](#)

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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