

Datasheet: MCA1730F

BATCH NUMBER 168512

Description:	MOUSE ANTI HUMAN CD44v6:FITC
Specificity:	CD44v6
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	VFF-7
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 product 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 product 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
Preparation	Antibody purified from tissue culture supernatant		
Buffer Solution	Tris buffered saline		
Preservative Stabilisers	0.02% sodium azide (NaN ₃)		
	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

RRID

AB_322694

Fusion Partners

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

Specificity

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

Flow Cytometry

Use 10µl of the suggested working dilution to label 10⁶ cells in 100µl

References

1. Neumayer, R. *et al.* (1999) CD44 expression in benign and malignant colorectal polyps. [Dis Colon Rectum. 42 \(1\): 50-5.](#)
2. 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.](#)
3. 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.](#)
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. 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.](#)
6. Noori, M.S. *et al.* (2018) An adhesion based approach for the detection of esophageal cancer. [Integr Biol \(Camb\). 10 \(12\): 747-57.](#)

Storage

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.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

Guarantee

12 months from date of despatch

Health And Safety Information

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

Related Products

Recommended Negative Controls

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

Recommended Useful Reagents

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

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

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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

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