

Datasheet: MCA1732

Description:	MOUSE ANTI HUMAN CD44v7/8
Specificity:	CD44v7/8
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	VFF-17
Isotype:	IgG2b
Quantity:	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.

	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 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.

(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.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Antibody purified from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Approx. Protein	IgG concentration 1.0 mg/ml

Concentrations

External Database

Links

UniProt:

[P16070](#) [Related reagents](#)

Entrez Gene:

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

Synonyms

LHR, MDU2, MDU3, MIC4

RRID

AB_322697

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

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.](#)
 7. Noori, M.S. *et al.* (2018) An adhesion based approach for the detection of esophageal cancer. [Integr Biol \(Camb\). 10 \(12\): 747-57.](#)
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Storage

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.

Guarantee

Guaranteed until date of expiry. Please see product label.

Health And Safety Information

Material Safety Datasheet documentation #10162 available at:
<https://www.bio-rad-antibodies.com/SDS/MCA1732>
10162

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP

Recommended Negative Controls

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

North & South America	Tel: +1 800 265 7376 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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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M411219:221102'

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