

Datasheet: MCA1731

BATCH NUMBER 158584

Description:	MOUSE ANTI HUMAN CD44v7
Specificity:	CD44v7
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	VFF-9
Isotype:	IgG1
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	▪			1/50
Immunohistology - Frozen	▪			1/50
Immunohistology - Paraffin (1)	▪			1/50
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			

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.

(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
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein	IgG concentration 1 mg/ml

Concentrations

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_322695

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.

Histology Positive Control Tissue

Skin

References

1. B nkfalvi, A. *et al.* (1998) Gains and losses of CD44 expression during breast carcinogenesis and tumour progression. [Histopathology. 33 \(2\): 107-16.](#)
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. 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. *et al.* (2012) CD44 expression in oro-pharyngeal carcinoma tissues and cell lines. [PLoS One. 7: e28776.](#)
5. Hanley, W.D. *et al.* (2005) Variant isoforms of CD44 are P- and L-selectin ligands on colon carcinoma cells. [FASEB J. 20: 337-9.](#)
6. Kim, J.S. *et al.* (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. *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.](#)
8. 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.

Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA1731 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
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 (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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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](https://www.bio-rad-antibodies.com/datasheets)
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