

Datasheet: MCA1732

BATCH NUMBER 157147

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| 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 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.

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| Target Species | Human |
| Product Form | Purified IgG - liquid |
| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | None present |
| Approx. Protein Concentrations | IgG concentration 1.0 mg/ml |

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|--------------------------------------|---|
| 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 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul. |
| References | <ol style="list-style-type: none"> 1. Wibulswas, A. <i>et al.</i> (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. <i>et al.</i> (2004) Differential expression of CD44 during human prostate epithelial cell differentiation. J Histochem Cytochem. 52: 1083-90. 3. Hanley, W.D. <i>et al.</i> (2006) Variant isoforms of CD44 are P- and L-selectin ligands on colon carcinoma cells. FASEB J. 20: 337-9. 4. Rajarajan, A. <i>et al.</i> (2012) CD44 expression in oro-pharyngeal carcinoma tissues and cell lines. PLoS One. 7: e28776. 5. Bauer, S. <i>et al.</i> (2006) Fibroblast activation protein is expressed by rheumatoid myofibroblast-like synoviocytes. Arthritis Res Ther. 8: R171. 6. 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. 7. Noori, M.S. <i>et al.</i> (2018) An adhesion based approach for the detection of esophageal cancer. Integr Biol (Camb). 10 (12): 747-57. |
| 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

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|---|---|
| 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 |
| 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 |
| Rabbit Anti Mouse IgG (STAR9...) | FITC |

Recommended Negative Controls

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

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| 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

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Printed on 25 Mar 2023