

Datasheet: MCA1730

BATCH NUMBER 155337

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|----------------------|-------------------------|
| Description: | MOUSE ANTI HUMAN CD44v6 |
| Specificity: | CD44v6 |
| Format: | Purified |
| Product Type: | Monoclonal Antibody |
| Clone: | VFF-7 |
| 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 - 1/200 |
| Immunohistology - Frozen | ▪ | | | 1/400 - 1/500 |
| Immunohistology - Paraffin (1) | ▪ | | | 1/200 |
| 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_322693

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

References

1. Neumayer, R. *et al.* (1999) CD44 expression in benign and malignant colorectal polyps. [Dis Colon Rectum. 42 \(1\): 50-5.](#)
 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. 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.](#)
 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. 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.](#)
 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.](#)
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Storage Store at +4°C or at -20°C if preferred.
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 12 months from date of despatch

Health And Safety Material Safety Datasheet documentation #10040 available at:

Information <https://www.bio-rad-antibodies.com/SDS/MCA1730>
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](#)
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](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)

Recommended Negative Controls

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

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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](https://www.bio-rad-antibodies.com/datasheets)
'M365631:200529'

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