

Datasheet: MCA2762

BATCH NUMBER 160444

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|----------------------|---------------------------|
| Description: | MOUSE ANTI HUMAN IFN BETA |
| Specificity: | IFN BETA |
| Other names: | INTERFERON BETA |
| Format: | Purified |
| Product Type: | Monoclonal Antibody |
| Clone: | BB4 |
| Isotype: | IgG2a |
| Quantity: | 0.2 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 | | | ▪ | |
| Immunohistology - Frozen | | | ▪ | |
| Immunohistology - Paraffin | | | ▪ | |
| 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. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

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|---------------------------------|---|
| Target Species | Human |
| Product Form | Purified IgG - liquid |
| Preparation | Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant |
| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | <0.1% Sodium Azide (NaN ₃) |

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|---------------------------------------|---|
| Approx. Protein Concentrations | IgG concentration 1 mg/ml |
| Immunogen | Recombinant full size human IFN Beta, expressed in <i>E.coli</i> . |
| External Database Links | <p>UniProt: P01574 Related reagents</p> <p>Entrez Gene: 3456 IFNB1 Related reagents</p> |
| Synonyms | IFB, IFNB |
| RRID | AB_1102700 |
| Fusion Partners | Spleen cells from immunised BALB/c mice were fused with cells of the Sp2/0 myeloma cell line. |
| Specificity | <p>Mouse anti Human IFN beta antibody, clone BB4 recognizes human interferon beta (IFN Beta), a ~22 kDa cytokine with wide-ranging antiviral, antimicrobial and antitumor effects. Interferons also serve to activate macrophages, natural killer cells and the presentation of antigens to the immune system by the major histocompatibility complex. The production of interferon is induced in response to microbes and other cytokines. The interferons are widely used to treat a variety of diseases and IFNB in particular is used to treat relapsing-remitting multiple sclerosis.</p> <p>Mouse anti Human IFN beta antibody, clone BB4 recognizes glycosylated and non-glycosylated human IFNβ and there is no cross-reactivity with human interferon alpha or human interferon gamma.</p> |
| Storage | <p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p> |
| 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/MCA2762 10040 |
| 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 |
| Rabbit Anti Mouse IgG (STAR8...) | DyLight®800 |
| Goat Anti Mouse IgG (STAR76...) | RPE |
| Human Anti Mouse IgG2a (HCA037...) | HRP |
| Goat Anti Mouse IgG (Fc) (STAR120...) | FITC , HRP |
| Goat Anti Mouse IgG IgA IgM (STAR87...) | Alk. Phos. , HRP |
| Rabbit Anti Mouse IgG (STAR13...) | HRP |
| Goat Anti Mouse IgG (STAR70...) | FITC |
| Rabbit Anti Mouse IgG (STAR9...) | FITC |
| Goat Anti Mouse IgG (H/L) (STAR117...) | Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP |

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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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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