

Datasheet: MCA5785

BATCH NUMBER 180626

| | |
|----------------------|-------------------------------|
| Description: | MOUSE ANTI BETA GALACTOSIDASE |
| Specificity: | BETA GALACTOSIDASE |
| Format: | Purified |
| Product Type: | Monoclonal Antibody |
| Clone: | 2E9 |
| Isotype: | IgG1 |
| 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 |
|----------------------------|-----|----|----------------|--------------------|
| Immunohistology - Frozen | | | ▪ | |
| Immunohistology - Paraffin | | | ▪ | |
| ELISA | ▪ | | | |
| Western Blotting | | | ▪ | |

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 the appropriate negative/positive controls.

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|---------------------------------------|---|
| Target Species | Bacterial |
| Product Form | Purified IgG - liquid |
| Preparation | Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant |
| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | 0.09% Sodium Azide (NaN ₃) |
| Approx. Protein Concentrations | IgG concentration 1.0 mg/ml |

| | |
|--------------------------------------|---|
| Immunogen | Purified beta-galactosidase from <i>E. coli</i> . |
| External Database Links | UniProt: P00722 Related reagents |
| RRID | AB_11152771 |
| Fusion Partners | Spleen cells from immunised Balb/c mice were fused with cells of the Sp2/0 myeloma cell line. |
| Specificity | <p>Mouse anti beta Galactosidase antibody, clone 2E9 reacts with beta-galactosidase from <i>E. coli</i> and <i>Aspergillus oryzae</i>. Less than 10% reactivity is observed with galactosidase from bovine liver. This antibody does not influence enzyme activity.</p> <p>Beta-galactosidase is an enzyme that acts to catalyse the hydrolysis of beta-galactosides into monosaccharides.</p> <p>Beta-galactosidase is a homo-tetrameric protein, containing four identical sub-units of approximately 116 kDa each. The enzyme is commonly used as a reporter gene in molecular biology to determine the success of transfections.</p> |
| Storage | <p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</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/MCA5785 10040 |
| 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 IgA IgM (STAR87...) | Alk. Phos. , HRP |
| Goat Anti Mouse IgG (STAR76...) | RPE |
| Goat Anti Mouse IgG (Fc) (STAR120...) | FITC , HRP |
| 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](#)

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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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