

Datasheet: MCA2849

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| Description: | MOUSE ANTI CLOSTRIDIUM TETANI TETANUS TOXIN |
| Specificity: | CLOSTRIDIUM TETANI TETANUS TOXIN |
| Format: | Purified |
| Product Type: | Monoclonal Antibody |
| Clone: | TetH6 |
| 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 |
|----------------------------|-----|----|----------------|--------------------|
| Flow Cytometry | | | ▪ | |
| Immunohistology - Frozen | | | ▪ | |
| Immunohistology - Paraffin | | | ▪ | |
| ELISA | ▪ | | | |
| Immunoprecipitation | | | ▪ | |
| Western Blotting | ▪ | | | |
| Immunofluorescence | | | ▪ | |
| Functional Assays | ▪ | | | |

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 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 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 1.0mg/ml |
| Immunogen | Supernatant from <i>Clostridium tetani</i> . |
| External Database Links | UniProt: P04958 Related reagents |
| RRID | AB_1125302 |
| Fusion Partners | Spleen cells from immunised Balb/c mice were fused with cells of the Sp2/0 myeloma cell line. |
| Specificity | <p>Mouse anti Clostridium tetani Tetanus Toxin antibody, clone TetH6 recognizes the tetanus toxin, a neurotoxin produced by the vegetative spore of <i>Clostridium tetani</i>. The toxin causes tetanus, a disease that is characterised by prolonged contraction of skeletal muscle. World-wide, approximately 1 million cases of tetanus occurs annually, resulting in approximately 300,000 to 500,000 deaths, mostly in developing countries. The tetanus toxin has a molecular weight of approximately 150 kDa and consists of a heavy chain (B-chain, 100 kDa) and a light chain (A-chain, 50 kDa) that are connected by a disulfide bond. The toxin acts by inhibiting neurotransmitter release. It binds to peripheral neuronal synapses, is internalized and moves by retrograde transport up the axon into the spinal cord where it can move between postsynaptic and presynaptic neurons. It inhibits the release of the neurotransmitters GABA and glycine by synaptobrevin-2. This results in overactivity in the muscle. The binding of the toxin to neurons is irreversible.</p> <p>Mouse anti Clostridium tetani Tetanus Toxin antibody, clone TetH6 has toxin neutralising activity.</p> |
| References | 1. Pan, S. <i>et al.</i> (2012) The study on newly developed McAb NJ001 specific to non-small cell lung cancer and its biological characteristics. PLoS One. 7 (3): e33009. |
| 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: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf |
| 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 |
| 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 |
| Goat Anti Mouse IgG (STAR76...) | RPE |
| Rabbit Anti Mouse IgG (STAR13...) | HRP |
| Goat Anti Mouse IgG (Fc) (STAR120...) | FITC , HRP |

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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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