

Datasheet: OBT2007

BATCH NUMBER 164882

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| Description: | MOUSE ANTI TRYPANOSOMA BRUCEI PROCYCLIN GPEET |
| Specificity: | TRYPANOSOMA BRUCEI PROCYCLIN GPEET |
| Format: | Ascites |
| Product Type: | Monoclonal Antibody |
| Clone: | 9G4 |
| Isotype: | IgG3 |
| Quantity: | 0.5 ml |

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 |
|--------------------|-----|----|----------------|--------------------|
| ELISA | ▪ | | | |
| Immunofluorescence | ▪ | | | |

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 | Protozoan |
| Product Form | Ascitic fluid - lypophilised |
| Reconstitution | 0.5ml distilled sterile water |
| Preservative Stabilisers | None present |
| Immunogen | Recombinant protein containing the pentapeptidyl repeat sequence of GPEET-PARP linked to the C-terminus of glutathione-S-transferase. |
| External Database Links | UniProt: Q95PJ0 Related reagents |
| RRID | AB_619283 |

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| Specificity | Mouse anti <i>Trypanosoma brucei</i> procyclin GPEET antibody, clone 9G4 recognizes <i>Trypanosoma brucei</i> procyclin, the major surface molecule present, characterized by the pentapeptide repeat (GPEET) attached to the membrane via a complex glycosylphosphatidylinositol (GPI) anchor (Bütikofer et al. 2002). |
| References | <ol style="list-style-type: none"> Hwa, K.Y. <i>et al.</i> (1999) Protein glycosylation mutants of procyclic <i>Trypanosoma brucei</i>: defects in the asparagine-glycosylation pathway. Glycobiology. 9(2): 181-90. Downey, N. & Donelson, J.E. (1999) Expression of foreign proteins in <i>Trypanosoma congolense</i>. Mol Biochem Parasitol. 104 (1): 39-53. Bütikofer, P. <i>et al.</i> (2002) Characterisation and cellular localisation of a GPEET procyclin precursor in <i>Trypanosoma brucei</i> insect forms. Mol Biochem Parasitol. 119 (1): 87-95. |
| Storage | -20°C only (ship +4°C) |
| Guarantee | 12 months from date of despatch |
| Health And Safety Information | Material Safety Datasheet documentation #10484 available at: https://www.bio-rad-antibodies.com/SDS/OBT2007 10484 |
| Regulatory | For research purposes only |

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