

Monoclonal Anti-*Trypanosoma cruzi*, Strain Y, Amastigote Surface Antigen Ssp-4, Clone 2C2 (produced *in vitro*)

Catalog No. NR-50892

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Antibody Class: IgG2a

Mouse monoclonal antibody prepared against the amastigote-specific surface antigen Ssp-4 of *Trypanosoma cruzi*, strain Y, clone 2C2 was purified from the hybridoma supernatant by protein G affinity chromatography. Clone 2C2 recognizes the Ssp-4 protein associated with the transformation of trypomastigotes into amastigotes.¹⁻³

Material Provided:

Each vial contains approximately 100 µL of purified monoclonal antibody in PBS, pH 7.4. The concentration, expressed as mg per mL, is shown on the Certificate of Analysis.

Packaging/Storage:

NR-50892 was packaged aseptically in screw-capped plastic vials and is provided frozen on dry ice. The product should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

Functional Activity:

NR-50892 is reported to react with Ssp-4 and to function in immunofluorescence and immunoblot assays.^{1,3}

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-*Trypanosoma cruzi*, Strain Y, Amastigote Surface Antigen Ssp-4, Clone 2C2 (produced *in vitro*), NR-50892."

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories. 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

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References:

1. Rodriguez, A., Personal Communication.
2. Andrews, N. W., et al. "Developmentally Regulated, Phospholipase C-Mediated Release of the Major Surface Glycoprotein of Amastigotes of *Trypanosoma cruzi*." J. Exp. Med. 167 (1988): 300-314. PubMed: 3279152.
3. Andrews, N. W., et al. "Stage-Specific Surface Antigens Expressed During the Morphogenesis of Vertebrate Forms of *Trypanosoma cruzi*." Exp. Parasitol. 64 (1987): 474-484. PubMed: 3315736.

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