

**Monoclonal Anti-*Trypanosoma cruzi*, Strain Y, Trypomastigote Surface Antigen Ssp-1, Clone 2H11 (produced *in vitro*)**

**Catalog No. NR-50891**

**For research use only. Not for human use.**

**Contributor:**

Norma W. Andrews, Professor, CMNS-Cell Biology & Molecular Genetics, Affiliate Professor, CMNS-Institute for Physical Science & Technology, University of Maryland, College Park, Maryland

**Manufacturer:**

BEI Resources

**Product Description:**

Antibody Class: IgG2ak

Mouse monoclonal antibody prepared against the trypomastigote-specific surface antigen Ssp-1 of *Trypanosoma cruzi*, strain Y, clone 2H11 was purified from the hybridoma supernatant by protein G affinity chromatography. Clone 2H11 recognizes the Ssp-1 protein associated with the transformation of trypomastigotes into amastigotes.<sup>1-3</sup>

**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-50891 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-50891 is reported to react with Ssp-1 and to function in immunofluorescence and immunoblot assays.<sup>1,3</sup>

**Citation:**

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-*Trypanosoma cruzi*, Strain Y, Trypomastigote Surface Antigen Ssp-1, Clone 2H11 (produced *in vitro*), NR-50891."

**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](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

**Disclaimers:**

You are authorized to use this product for research use only. It is not intended for human use.

Use of this product is subject to the terms and conditions of the BEI Resources Material Transfer Agreement (MTA). The MTA is available on our Web site at [www.beiresources.org](http://www.beiresources.org).

While BEI Resources uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC® nor the U.S. Government makes any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC® nor the U.S. Government warrants that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, use and disposal. ATCC® and the U.S. Government are not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, the U.S. Government, ATCC®, their suppliers and contributors to BEI Resources are not liable for damages arising from the misidentification or misrepresentation of products.

**Use Restrictions:**

**This material is distributed for internal research, non-commercial purposes only.** This material, its product or its derivatives may not be distributed to third parties. Except as performed under a U.S. Government contract, individuals contemplating commercial use of the material, its products or its derivatives must contact the contributor to determine if a license is required. U.S. Government contractors may need a license before first commercial sale.

**References:**

- Rodriguez, A., Personal Communication.
- 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.
- 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.

ATCC® is a trademark of the American Type Culture Collection.

