Monoclonal Anti-Guinea Pig Interleukin-2 Protein, Clone GP15.1D6.6H (produced *in vitro*)

Catalog No. NR-49561

For research use only. Not for human use.

Contributor and Manufacturer:
Jean Mukherjee, D.V.M., Ph.D., Assistant Professor, Department of Infectious Disease and Global Health, Cummings School of Veterinary Medicine, Tufts University, North Grafton, Massachusetts, USA

Manufacturing Date:
February 4, 2014

Product Description:
Antibody Class: IgG1κ
Mouse monoclonal antibody prepared against a recombinant form of the interleukin-2 (IL-2) protein of guinea pig was purified from clone GP15.1D6.6H murine hybridoma supernatant by affinity chromatography. The full length recombinant IL-2 was expressed in *Escherichia coli*.[1] The B cell hybridoma was generated by the fusion of NS0 myeloma cells with immunized mouse splenocytes.[1] IL-2 is a cytokine produced by antigen-activated T cells that acts to promote maintenance of regulatory T cells and differentiation of CD4(+) T cells into defined effector T-cell subsets.[2]

Material Provided:
Each vial contains approximately 100 µL of purified monoclonal antibody in 10 mM PBS (pH 7.4) at a concentration of 1 mg per mL.

Packaging/Storage:
NR-49561 was packaged aseptically in screw-capped plastic cryovials and is provided frozen on dry ice. The item should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

Functional Activity:
NR-49561 is reactive in ELISA and western blot analyses.[1]

Citation:
Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-Guinea Pig Interleukin-2 Protein, Clone GP15.1D6.6H (produced *in vitro*), NR-49561."

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.

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.

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:
1. Mukherjee, J., Personal Communication.
2. Boyman, O. and J. Sprent. "The Role of Interleukin-2 during Homeostasis and Activation of the Immune System." Nat. Rev. Immunol. 12 (2012): 180-190. PubMed: 22343569.

Support Provided by NIAID

BEI Resources
www.beiresources.org

E-mail: contact@beiresources.org
Tel: 800-359-7370
Fax: 703-365-2898