Monoclonal Anti-Guinea Pig Interleukin-2 Receptor Alpha Protein, Clone GP16.6C8.2C (produced *in vitro*)

Catalog No. NR-49562

For research use only. Not for human use.

Contributor and Manufacturer:
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Manufacturing Date:
March 11, 2014

Product Description:
Antibody Class: IgG1κ
Mouse monoclonal antibody prepared against a recombinant interleukin-2 receptor (IL-2R) alpha (also known as CD25) protein of guinea pig was purified from clone GP16.6C8.2C murine hybridoma supernatant by affinity chromatography. The full length recombinant IL-2R alpha protein with C-terminal histidine tag was expressed in the human embryonic kidney HEK293 cells.[1] The B cell hybridoma was generated by the fusion of NS0 myeloma cells with immunized mouse splenocytes.[1] IL-2R is composed of three distinct subunits; IL-2R alpha associates with IL-2R beta and IL-2R gamma to form the high affinity IL-2 receptor.[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-49562 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-49562 is reactive in ELISA, flow cytometry 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 Receptor Alpha Protein, Clone GP16.6C8.2C (produced *in vitro*), NR-49562."

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. Mukherjee, J., Personal Communication.
2. Létourneau, S., et al. "IL-2- and CD25-Dependent Immunoregulatory Mechanisms in the Homeostasis of T-Cell Subsets." J. Allergy Clin. Immunol. 123 (2009): 758-762. PubMed: 19348914.

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