

**Monoclonal Anti-Guinea Pig CD28 Peptide, Clone GP30.14F2.6F (produced *in vitro*)**

**Catalog No. NR-49584**

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

**Contributor and Manufacturer:**

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**Manufacturing Date:**

September 9, 2014

**Product Description:**

Antibody Class: IgG1κ  
 Mouse monoclonal antibody prepared against a 12 amino acid peptide of guinea pig CD28 was purified from clone GP30.14F2.6F murine hybridoma supernatant by affinity chromatography. The CD28 peptide antigen, IHVIERHPPETC, is conjugated to keyhole limpet hemocyanin.<sup>1</sup> The B cell hybridoma was generated by the fusion of NS0 myeloma cells with immunized mouse splenocytes.<sup>1</sup>

**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-49584 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-49584 is reactive in ELISA using unconjugated peptide. NR-49584 is reactive in western blots using native protein extract from guinea pig tissues but not reactive using unconjugated peptide. NR-49584 is reactive in flow cytometry.<sup>1</sup>

**Citation:**

Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-Guinea Pig CD28 Peptide, Clone GP30.14F2.6F (produced *in vitro*), NR-49584.”

**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).

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**References:**

1. Mukherjee, J., Personal Communication.

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