

Monoclonal Anti-Guinea Pig Interleukin-4 Peptide, Clone GP22.21H2.1E (produced *in vitro*)

Catalog No. NR-49571

For research use only. Not for human use.

Contributor and Manufacturer:

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Manufacturing Date:

August 13, 2014

Product Description:

Antibody Class: IgG1k

Mouse monoclonal antibody prepared against a 13 amino acid peptide of guinea pig interleukin-4 (IL-4) was purified from clone GP22.21H2.1E murine hybridoma supernatant by affinity chromatography. The IL-4 peptide antigen, FADPQGPASGDLG, is conjugated to keyhole limpet hemocyanin.¹ The B cell hybridoma was generated by the fusion of NS0 myeloma cells with immunized mouse splenocytes.¹

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-49571 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-49571 is reactive in ELISA using unconjugated peptide. NR-49571 is reactive in western blots using native protein extract from guinea pig tissues but not reactive using unconjugated peptide.¹

Citation:

Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-Guinea Pig Interleukin-4 Peptide, Clone GP22.21H2.1E (produced *in vitro*), NR-49571.”

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/bmb15/index.htm.

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References:

1. Mukherjee, J., Personal Communication.

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