

Monoclonal Anti-Cotton Rat IgG1, Clone SealyCRy1 (produced *in vitro*)

Catalog No. NR-13425

This reagent is the tangible property of the U.S. Government.

For research use only. Not for use in humans.

Contributor:

NIH Biodefense and Emerging Infections Research Resources Repository

Manufacturer:

BEI Resources

Product Description:

Antibody Class: IgG1.k

Antibody Designation: SealyCRy1

Monoclonal antibody to the heavy chain of cotton rat IgG1 was produced in cell culture using a B cell hybridoma generated by the fusion of X63-Ag8.653 myeloma cells with immunized mouse splenocytes.¹ The monoclonal antibody was purified by protein G sepharose chromatography from the hybridoma supernatant.

Material Provided:

Each vial contains approximately 0.1 mg of NR-13425 in PBS. The concentration, expressed as mg/mL, is shown on the Certificate of Analysis.

Packaging/Storage:

NR-13425 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen on blue ice and should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

Functional Activity:

NR-13425 binds to the heavy chain of cotton rat IgG1.

Applications: Western blot, immunoprecipitation, flow cytometry, ELISA.

Citation:

Acknowledgment for publications should read “The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Monoclonal Anti-Cotton Rat IgG1, Clone SealyCRy1 (produced *in vitro*), NR-13425.”

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 \(BMBL\)](#). 6th ed. Washington, DC: U.S. Government Printing Office, 2020.

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Reference:

1. Coe, J. E. and G. A. Prince. “Definition of Cotton Rat Immunoglobulins: *Sigmodon* Species Differ in Expression of IgG Isotypes and Production of Respiratory Syncytial Virus Antibody.” [Immunology](#) 88 (1996): 323-330. PubMed: 8774346.

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