

Datasheet for 600-401-MR5**Anti-Bacteriophage M13 Antibody****Overview**

Description:	Anti-Bacteriophage M13 (RABBIT) Antibody - 600-401-MR5
Item No.:	600-401-MR5
Size:	100 µg
Applications:	ELISA
Host Species:	Rabbit

Product Details

Background:	Tail virion protein G7P (Bacteriophage M13) may initiate with G9P the virion concomitant assembly-budding process, by interacting with the packaging signal of the viral genome. The assembly-budding takes place at the host inner membrane. In turn, G7P and G9P are present at the end of the filamentous virion that emerges first from the bacterial host. Anti-Bacteriophage M13 Antibody is useful for researchers interested in HCP, Host Cell Membranes, Transmembrane Viruses, and E. coli bacteria.
Synonyms:	Tail virion protein G7P, Enterobacteria phage M13, Bacteriophage M13, Coat protein C polypeptide I, Gene 7 protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	VII
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-M13 antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to a N-terminal portion of Bacteriophage M13 conjugated to Keyhole Limpet Hemocyanin (KLH).

Purity/Specificity: This affinity purified antibody is directed against Tail virion protein G7P. This product was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest cross-reactivity with the antigen based on 100% homology with the immunizing sequence with Enterobacteria phage M13, Enterobacteria phage f1, and Enterobacteria phage fd.

Relevant Links:

- [UniProtKB - P69535](#)

Application Details

Tested Applications: ELISA

Application Note: Anti-Bacteriophage M13 Antibody has been tested in ELISA. Expect a band at ~3.6 kDa in western blot using appropriate lysates or tissues.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:10,000 - 1:50,000

IF: User Optimized

WB: User Optimized

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1.0 mg/ml by UV absorbance at 280 nm

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Preservative: 0.01% (w/v) Sodium Azide

Stabilizer: None

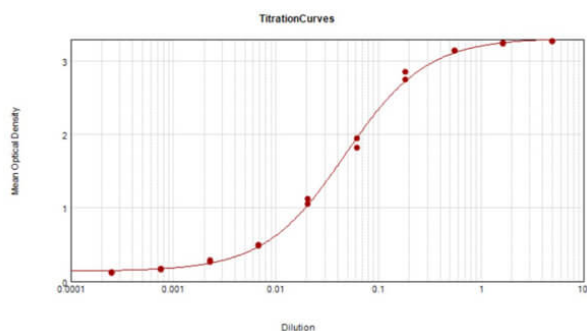
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



ELISA

ELISA results of purified polyclonal Rabbit Bacteriophage M13 Antibody tested against BSA-conjugated peptide of immunizing peptide. Each well was coated in duplicate with 0.1 µg of conjugate. The starting dilution of antibody was 5 µg/mL and the X-axis represents the Log10 of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC50 is defined as the titer of the antibody. Assay performed using Coating Buffer pH9.5, Goat Anti-Rabbit HRP conjugated (p/n 611-103-122) at 1:30,000 and substrate (p/n TMBE-1000).

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.