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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

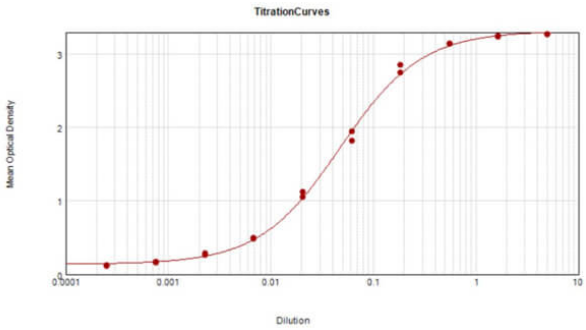
Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/ml by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

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 0.1µg of conjugate. The starting dilution of antibody was 5µg/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).

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