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ProductInformation

ANTI-fd BACTERIOPHAGE
Developed in Rabbit
IgG Fraction of Antiserum

Product Number **B 7786**

Product Description

Anti-fd Bacteriophage is developed in rabbit using repeated injections of fd bacteriophage as the immunogen. Whole antiserum is fractionated and then further purified by ion-exchange chromatography to provide the IgG fraction of antiserum which is essentially free of other rabbit serum proteins.

Rabbit Anti-fd Bacteriophage binds specifically to phage coat proteins of fd phage or M13 phage.

Reagents

The product is provided as a solution in 0.01 M phosphate buffered saline, pH 7.4, containing 15 mM sodium azide as a preservative.

Precautions and Disclaimer

Due to the sodium azide content a material safety data sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Consult the MSDS for information regarding hazards and safe handling practices.

Storage/Stability

For continuous use, store at 2-8 °C for up to one month. For extended storage, solution may be frozen in working aliquots. Repeated freezing and thawing is **not** recommended. Storage in "frost-free" freezers is **not** recommended. If slight turbidity occurs upon prolonged storage, clarify by centrifugation before use.

Product Profile

Rabbit Anti-fd Bactieriophage may be used to rapidly sort large phage display libraries (antibody, peptide, etc.) with expressed proteins fused to either the gene III or gene VIII protein of filamentous bacteriophage. The product may also be used as a reagent in "phage ELISA" offering sensitive and specific activity for detection of recombinant bacteriophage. It will also function as a capture antibody when coated directly on microtiter plates or as primary detection antibody for specifically captured fd or M13 bacteriophage.

Total Protein: Minimum 5 mg/ml by absorbance at 280 nm.

Working Dilution

Minimum 1:1,000 for 5×10^7 phage/ml
Minimum 1:8,000 for 5×10^{10} phage/ml

The working dilution was determined by indirect ELISA using directly coated bacteriophage at a concentration of 5×10^7- 5×10^{10} bacteriophage/ml. Peroxidase Conjugated Goat Anti-Rabbit IgG (Product No. A 0545) was used as the secondary antibody.

In order to obtain best results, it is recommended that each individual user determine their optimum working dilutions by titration assay.

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