Meridian Life Science, Inc.
a Meridian Bioscience Company, Inc.
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CERTIFICATE OF ANALYSIS

Important Note: **Centrifuge before opening to ensure complete recovery of vial contents.**

Catalog #: H44262M **Lot #:** 9G18622

Description: MAb to Filamentous Phages M13/fd/F1
Monoclonal Antibody to Filamentous Phages, M13, fd, F1
Biotin Conjugated

Specificity: Binds to an epitope on pVIII (phage coat protein) covering the N-terminal region of g8p AEGDDPAKAAFDSLQASAT.

Host Animal: Mouse **Isotype:** IgG_{2b}

Source: Tissue Culture

Immunogen: fd phages from *E. coli* F^+ strain (JM109).

Format: Biotin, Liquid

Purification: Protein A Chromatography

Concentration: 0.1 mg/mL

Buffer: Phosphate Buffered Saline, pH 7.4 containing 0.5% BSA.

Preservative: 0.09% Sodium Azide

Applications: Phage Display (Immunoassays for the identification of recombinant antigen or antibody phages).
Immunoblotting.
ELISA (1:5,000–1:10,000).
Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

Storage: Store at 2–8°C.

Safety Note(s): Refer to the appropriate Safety Data Sheet (SDS) for additional information.

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References:

The references listed below are for research purposes only:

1. Micheel, B., et al., (1994), "Production of monoclonal antibodies against epitopes of the main coat protein of filamentous fd phages", J. Immunol. Methods, **171**, 103–109.
2. Kneissel, S., et al., (1999), "Epitope structures recognizes by antibodies against the major coat protein (g8p) of filamentous bacteriophage fd (Inoviridae)", J. Mol. Biol., **288**, 21–28.
3. Rondot, S., et al., (2001), "A helper phage to improve single-chain antibody presentation in pahge display", Nature Biotechnology, **19**, 75–78.

Quality Signature: 08 Jul 2022

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY