**Source:** Tissue culture supernatant from murine monoclonal cell line A23.

Supplied in: 10 mM HEPES (pH 7.5), 150 mM NaCl and 50% glycerol.

**Applications:** Recombinant protein domains such as antibody fragments can be fused to M13 coat protein pIII and displayed on phage using phagemid-based systems (1), rather than the phage-based system utilized in the Ph.D. libraries. Anti-M13 pIII Monoclonal Antibody can be used to determine fusion protein expression levels both in *E. coli* and on the M13 virion by immunoblot analysis.

**Suggested Working Dilution:** 1/1,000

**Performance:** A dilution of 1/1,000 detected as few as 10^7 M13 CFU electrophoresed and transferred onto Immobolin PVDF membrane in an immunoblot assay.

**Note:** ELISA against whole phage using this antibody is not recommended since the epitope lies in a region that is not accessible on intact M13 phage virions.

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