PROGEN Biotechnik GmbH · Maaßstrasse 30 · D-69123 Heidelberg ·
Tel.: +49 (0) 6221 8278-11 · Fax: +49 (0) 6221 8278-24 · Email: info@progen.de · Web: www.progen.de

Mab to
M13, fd, F1
Filamentous Phages

Clone Determination	B62-FE2
Category	Mouse monoclonal
Immunoglobulin Class	IgG_{2b}
Purification	Protein A affinity chromatography
Antigen Used for Immunization	fd phages from E. coli F^+ strain (JM109)
Specificity	B62-FE2 binds to an epitope on pVIII (phage coat protein) covering the N-terminal region of g8p AEGDDPAKAAFDSLQASAT (cf. Kneissel et al.)
Application	• Phage display (immunoassay for identification of recombinant antigen- or antibody-phages) Detection limit: 10^7 phage particles • Immunoblotting • Immunoelectron microscopy
Working Dilution	1:50 000 for ELISA
Stability/Storage	Store at 2-8°C; after reconstitution use immediately. For prolonged storage of reconstituted antibody solution we strongly recommend addition of a stabilizing protein (e.g. 0.5% BSA) and a preservative (e.g. thimerosal or sodium azide); aliquots should be kept at -20°C. Avoid repeated thawing and freezing. **Important note:** antibody shows a tendency to precipitate at neutral pH.
Reconstitution	Reconstitute in 0.1 ml dist. water (final solution contains 10 mM Tris-HCl buffer, pH 8.0, 300 mM NaCl); antibody concentration after reconstitution is c = 5 mg/ml
Quantity	500 µg (lyoph.)

References

Micheel B, Heymann S, Scharte G, Böttger V, Vogel V, Dübel S, Breitling F, Little M, Behrsing O: Production of monoclonal antibodies against epitopes of the main coat protein of filamentous fd phages. J. Immunol. Methods 171, 103-109 (1994).

Kneissel S, Queitsch I, Petersen G, Behrsing O, Micheel B, Dübel S. Epitope structures recognised by antibodies against the major coat protein (g8p) of filamentous bacteriophage fd (Inoviridae). J. Mol. Biol. 288, 21-28 (1999)

Rondot S, Koch J, Breitling F, Dübel S: A helper phage to improve single-chain antibody presentation in phage display. Nature Biotechnology 19, 75-78 (2001).

Cat. No. 61397