

Product datasheet

anti-M13/fd/F1 Filamentous Phages mouse monoclonal, B62-FE2, Biotin Conjugate

Short overview

Cat. No.	61597
Quantity	250 µl (100 µg/ml)
Concentration	100 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG2b
Clone	B62-FE2
Immunogen	Fd phages from E. coli F+ strain (JM109)
Formulation	PBS with 0.5% BSA and 0.09% sodium azide
Synonym	M13
Note	Centrifuge prior to opening
Conjugate	Biotin
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	ELISA, Phage display, WB
Reactivity	Filamentous phages F1, Filamentous phages M13, Filamentous phages fd

Applications

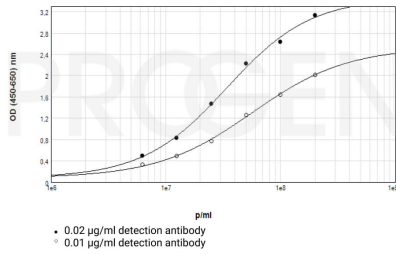
ELISA	1:5,000-1:10,000
Phage Display	Immunoassays for the identification of recombinant antigen- or antibody-phages; Detection limit: 1E+07 phage particles
Western Blot (WB)	Assay dependent

Background

B62-FE2 binds to an epitope on pVIII (phage coat protein) covering the N-terminal region of g8p AEGDDPAKAAFDLQASAT (Kneissel et al. 1999).

Kneissel, S. et al. Epitope structures recognised by antibodies against the major coat protein (g8p) of filamentous bacteriophage fd (Inoviridae). J. Mol. Biol. 288, 21-8 (1999).

Product images



Phage ELISA with B62-FE2 as capture antibody (Cat. No. 61097) and B62-FE2, Biotin conjugate (Cat. No. 61597) as detection antibody (1:5000 (0.02 µg/ml) and 1:1000 (0.01 µg/ml)).



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References

Publication	Species	Application
Seidel-Greven, M. et al. Isolation and light chain shuffling of a Plasmodium falciparum AMA1-specific human monoclonal antibody with growth inhibitory activity. Malar. J. 20, 1â€“20 (2021).	M13	ELISA
Kneissel, S. et al. Epitope structures recognised by antibodies against the major coat protein (g8p) of filamentous bacteriophage fd (Inoviridae). J. Mol. Biol. 288, 21-8 (1999).	fd	WB
Micheel, B. et al. Production of monoclonal antibodies against epitopes of the main coat protein of filamentous fd phages. J. Immunol. Methods 171, 103-9 (1994).	fd	ELISA,IEM
Rondot, S., Koch, J., Breitling, F. & DÃ¼bel, S. A helper phage to improve single-chain antibody presentation in phage display. Nat. Biotechnol. 19, 75-8 (2001).	M13	ELISA