

Product datasheet

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

Short overview

Cat. No.	61097-HRP
Quantity	1 ml (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 HRP stabilizer (Candor 222902)
Synonym	M13
Conjugate	Peroxidase/HRP
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	ELISA, Phage display
Reactivity	Filamentous phages F1, Filamentous phages M13, Filamentous phages fd

Applications

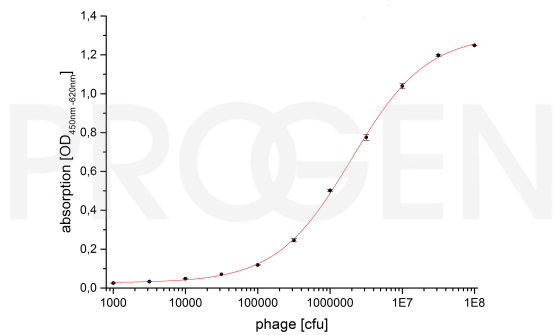
ELISA	1:250-1:1,500 (0.07-0.4 µg/ml)
Phage Display	Immunoassays for the identification of recombinant antigen- or antibody-phages; Detection limit: 1E+07 phage particles

Background

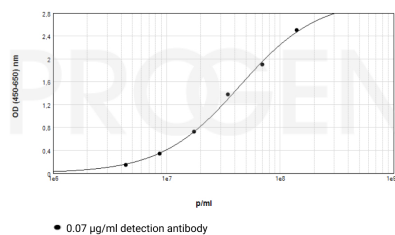
B62-FE2 binds to an epitope on pVIII (phage coat protein) covering the N-terminal region of g8p AEGDDPAKAAFDLSLQASAT (Kneissel et al. 1999).

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



ELISA with B62-FE2 HRP conjugate (Cat. No. 61097-HRP) as detection antibody (1:1000; 10 ng antibody per well)(courtesy of P. Heine, TU Braunschweig)



Phage ELISA with B62-FE2 as capture antibody (Cat. No. 61097) and B62-FE2 HRP conjugate (Cat. No. 61097-HRP) as detection antibody (1:1,500 (0.07 µg/ml)).

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
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
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