Product datasheet

anti-M13/fd/F1 Filamentous Phages mouse monoclonal, B62-FE2, lyophilized, purified, 100 µg

Short overview

Cat. No.	61097
Quantity	100 µg
Concentration	100 µg/ml after reconstitution with 1 ml dist. water

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG2b
Clone	B62-FE2
Immunogen	Fd phages from E. coli F+ strain (JM109)
Formulation	Lyophilized; reconstitute in 1 ml dist. water (final solution contains 0.09% sodium azide, 0.5% BSA in PBS buffer, pH 7.4)
Synomym	M13
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage before reconstitution	2-8°C until indicated expiry date
Storage after reconstitution	Up to 3 months at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
Intended use	Research use only
Application	ELISA, IEM, Phage display, WB
Reactivity	Filamentous phages F1, Filamentous phages M13, Filamentous phages fd

Applications

ELISA	1:1,000
Cell-based Assay	Assay dependent
Phage Display	Assay dependent (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 AEGDDPAKAAFDSLQASAT (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

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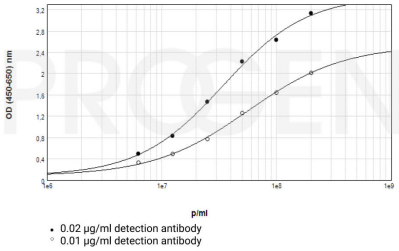

Phage ELISA with B62-FE2 as capture antibody (Cat. No. 61097) and B62-FE2, Biotin conjugate (Cat. No. 61597) as detection antibody (1:5000 (0.02 µg/ml) and 1:1000 (0.01 µg/ml)).

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