



M13 Bacteriophage (g8p). Mouse Monoclonal Antibody

BACKGROUND

The display of repertoires of antibody fragments on the surface of filamentous phage offers a new way to produce immunoreagents with defined specificities.

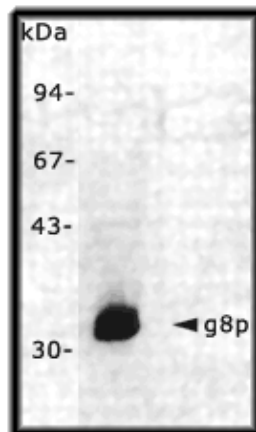
Phage derived antibody fragments offer a number of advantages over mouse monoclonal antibodies, such as better clearance from the blood, the possibility to select from human combinatorial libraries and the relative ease by which such fragments can be manipulated. The phage display technique thus facilitates the selection of antibody fragments of therapeutic value or research interest.

Antibodies to M13 filamentous phage coat proteins are instrumental in the selection and detection of phages expressing specific antibody fragments or peptide sequences at their surface.

IMMUNOGEN

Hybridoma produced by the fusion of splenocytes from BALB/c mice immunized with isolated M13 phage coat proteins and mouse SP2/0-Ag14 myeloma cells.

Western blot using anti-M13, g8p
(Cat. No. X1599M) on M13
bacteriophage.



ORDERING INFORMATION

CATALOG NUMBER
X1599M

SIZE

100 µg

FORM

Unconjugated

HOST/CLONE

Mouse Clone RL-ph2

FORMULATION

Provided as solution in phosphate buffered saline with 0.09% sodium azide

CONCENTRATION

See vial for concentration

ISOTYPE

IgG2a

APPLICATIONS

Western Blot, ELISA, Immunohistochemistry (Frozen Sections), Flow Cytometry, Immunoprecipitation

SPECIES REACTIVITY

Ubiquitous

ACCESSION NUMBER

M13 Phage P69541

POSITIVE CONTROL/TISSUE EXPRESSION

M13 bacteriophage.

COMMENTS

Antibody reacts specifically with the g8p protein. It can be used for Western blot (1:100 - 1:1,000), flow cytometry (1:25 - 1:200), immunohistochemistry, immunoprecipitation and ELISA. Optimal concentration should be evaluated by serial dilutions.

PURIFICATION**SHIP CONDITIONS**

Ship at ambient temperature, freeze upon arrival

STORAGE CUSTOMER

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

STABILITY

Products are stable for one year from purchase when stored properly

REFERENCES

1. Meulemans, E. V., et al. 'Phage displayed antibodies specific for a cytoskeletal antigen. Selection by competitive elution with a monoclonal antibody.' Hum Antibodies Hybridomas 1995: 6, 113-118.
2. Meulemans, E. V., et al. 'Selection of phage-displayed antibodies specific for a cytoskeletal antigen by competitive elution with a monoclonal antibody.' J. Mol. Biol. 1994: 244, 353-360.

PRODUCT SPECIFIC REFERENCES