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M13 bacteriophage (gp3) Biotinylated. 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.

ORDERING INFORMATION

CATALOG NUMBER
Z110M

SIZE
100 µg

FORM
Biotin

HOST/CLONE
Mouse Clone E1

FORMULATION
Provided as solution in phosphate buffered saline with 0.08% sodium azide

CONCENTRATION
See vial for concentration

ISOTYPE
IgG2a

APPLICATIONS
ELISA, Western Blot, Flow Cytometry, IHC

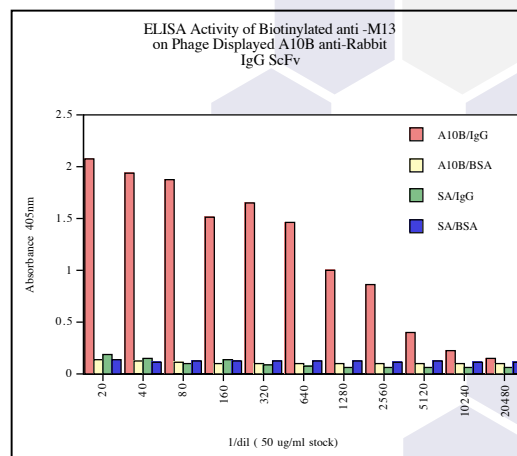
SPECIES REACTIVITY
N/A

ACCESSION NUMBER
P69168, M13 Phage

IMMUNOGEN

Hybridoma produced by the fusion of splenocytes from mice immunized with isolated M13 phage coat proteins and mouse myeloma cells.

Data represents absorbancy readings for A10B phage on rabbit IgG (A10B/IgG), A10B phage on BSA (A10B/BSA), streptavidin on rabbit IgG (SA/IgG) and streptavidin on BSA (SA/BSA) for each dilution of biotinylated anti-M13 monoclonal antibody.



POSITIVE CONTROL/TISSUE EXPRESSION

COMMENTS

Antibody specific for the gp3 protein. Antibody can be used for immunohistochemistry, Western blot (1-5 $\mu\text{g/ml}$), Flow cytometry (1 $\mu\text{g}/10^6$ cells) and ELISA. Optimal concentration should be evaluated by serial dilutions.

PURIFICATION

Protein A/G Chromatography

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

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