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 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.
Antibody specific for the g3p protein. Antibody can be used for immunohistochemistry, Western blot (1-5 µg/ml), Flow cytometry (1 µg/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

**References**
1- Van Wezenbeek P.M., Schoenmakers J.G.; Nucleotide sequence of the genes III, VI and I of bacteriophage M13; Nucleic Acids Res. 6:2799-2818(1979).

**Product Specific References**
2. Qi,Cai et al, 'Phage M13KO7 detection with biosensor based on imaging ellipsometry and AFM microscopic confirmation' Virus Research 2009, 140, , 79-84
3. Tragoolpua, Khajornsak et al, 'Generation of functional scFv intrabody to abate the expression of CD147 surface molecule of 293A cells' BMC Biotechnology 2008, 8, 5, Online only

For research use only. Not for use in human diagnostics or therapeutics.