**PRODUCT**
Each vial contains 100 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

**APPLICATIONS**
M13 filamentous phage (aM13) is recommended for detection of M13 filamentous phage of M13 filamentous phage origin by solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

**STORAGE**
Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

**RESEARCH USE**
For research use only, not for use in diagnostic procedures.

**PROTOCOLS**
See our web site at www.scbt.com or our catalog for detailed protocols and support products.

**BACKGROUND**
The filamentous bacteriophage M13 is composed of circular single-stranded DNA. 2,700 copies of the major coat protein P8 surround the virus, with five copies of two different minor coat proteins (P9, P6, P3) localizing to the ends. Infection with filamentous phages is not lethal to its host E.coli, as it is non-lytic. The infection causes characteristic turbid plaques in the bacteria a useful indication system for its role as a cloning vector. M13 can also be used to identify novel proteins through the process of phage display. Most recently, it has been studied as a template for the assembly of nanoarchitectures including nanoparticle arrays and nanowires. Other uses are being explored for M13 in nanostructures and nanotechnology.

**REFERENCES**

**SOURCE**
M13 filamentous phage (aM13) is a mouse monoclonal antibody raised against M13 filamentous phage.