

# QED Bioscience Inc.

ADVANCED RESEARCH TECHNOLOGIES

## ***E. coli* K99 Pilus Monoclonal Antibodies**

### **ORDERING INFORMATION**

**Catalog No.:** 18401-18404

**Size:** 1 ml ascites or 1 mg Protein G-purified antibody in PBS, pH 7.4

### **SPECIFICATION SUMMARY**

**Antigen:** Purified *E. coli* K99 pili.

**Host Species:** Mouse

**Antibody Class:** IgG1.

**Stabilizers:** None

**Preservatives:** None. Available on request.

### **ACTIVITY**

	<b>Ig mg/ml*</b>	<b>ELISA Titer**</b>
18401	25.9	1 : 16,000
18402	12.8	1: 16,000
18403	9.9	1: 4,000
18404	8.5	1: 24,000

\* Determined by radial immunodiffusion for several lots of ascites.

\*\*ELISA is an indirect assay against *E. coli* K99 pili on the solid phase. Titers represent endpoint dilutions that achieve absorbance values  $\geq 0.1$ .

### **SPECIFICITY**

These antibodies do not cross-react with K99-negative *E. coli*, *E. coli* K88ac, *E. coli* 987P, *Proteus mirabilis*, *Proteus vulgaris*, *Pseudomonas aeruginosa*, *Enterobacter aerogenes*, *Citrobacter freundii*, *Klebsiella pneumoniae*, or *Strep. agalactiae*.

### **APPLICATIONS**

These antibodies may be used in immunoassays to detect and quantitate K99-positive *E. coli*. Other applications are under investigation.

### **DILUTION INSTRUCTIONS**

Dilute in PBS or medium which is identical to that used in the assay system.

### **STORAGE AND STABILITY**

These antibodies are stable for at least one (1) year at  $-20^{\circ}\text{C}$  to  $-70^{\circ}\text{C}$ . Store product in appropriate aliquots to avoid multiple freeze-thaw cycles.

*For in vitro investigational use only.*

*Not for use in therapeutic or diagnostic procedures.*