

## Mouse E Coli K99 pili Monoclonal Antibody

E. coli K99 Pilus Monoclonal Antibody

|                              |                      |                                         |
|------------------------------|----------------------|-----------------------------------------|
| CATALOG #<br><b>AAA47664</b> | HOST<br><b>Mouse</b> | APPLICATIONS<br><b>IA (Immunoassay)</b> |
|------------------------------|----------------------|-----------------------------------------|

### PRODUCT SYNONYMS

E Coli K99 pili; Monoclonal Antibody; E. coli K99 Pilus Monoclonal Antibody; Anti-E. coli K99 pili; E. coli K99 pili; anti-E Coli K99 pili antibody

### PRODUCT SPECIFICATIONS

|                                                           |                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                      | Mouse                                                                                                                                                                                                                                                                                                                       |
| Clonality                                                 | Monoclonal                                                                                                                                                                                                                                                                                                                  |
| Isotype                                                   | IgG1                                                                                                                                                                                                                                                                                                                        |
| Clone Number                                              | K9911-201.3                                                                                                                                                                                                                                                                                                                 |
| Specificity                                               | Anti-E. coli K99 pili [Specific for E. coli K99 pili (4 clones). LP]<br>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. |
| Form/Format                                               | Protein G-purified antibody in PBS, pH 7.4.                                                                                                                                                                                                                                                                                 |
| Concentration                                             | 1.9mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                    |
| Applicable Applications for anti-E Coli K99 pili antibody | IA (Immunoassay)                                                                                                                                                                                                                                                                                                            |
| Antigen                                                   | Purified E. coli K99 (B44) pili.                                                                                                                                                                                                                                                                                            |
| Appearance                                                | Clear                                                                                                                                                                                                                                                                                                                       |
| Preservatives                                             | None. Available on request.                                                                                                                                                                                                                                                                                                 |
| Dilutions Instructions                                    | Dilute in PBS or medium which is identical to that used in the assay system.                                                                                                                                                                                                                                                |
| Preparation and Storage                                   | For long term storage store at -20°C for one year. For frequent use, store at 4°C. Store product in appropriate aliquots to avoid multiple freeze-thaw cycles.                                                                                                                                                              |

### ADDITIONAL INFORMATION

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| Related Product Information for anti-E Coli K99 pili antibody | Bovine enteric colibacillosis is an economically important disease in neonatal calves caused by enterotoxigenic E. coli (ETEC) which adhere to intestinal cells using pili. Most ETEC isolated from cattle use K99 pili to bind to enterocytes of the small intestine. K99 pili are primarily composed of a repeating 18.2kDa major subunit which is responsible for binding to host glycoprotein receptor, N-glycolylneuraminic acid-GM3. A 7.1kb operon of eight genes on a plasmid encode the pili and other associated proteins responsible for regulation, transport, and assembly of K99 pili. |
| Product Categories/Family for anti-E Coli K99 pili antibody   | <a href="#">Infectious Disease Antibodies</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.