

QED Bioscience Inc.

ADVANCED RESEARCH TECHNOLOGIES

***E. coli* Monoclonal Antibodies**

ORDERING INFORMATION

Catalog No.: 15401, 15402, 15403,
15404, 15405.

Size: 1 ml ascites or 1 mg purified
antibody in PBS, pH 7.4

SPECIFICATION SUMMARY

Antigen: A pool of *E. coli* serotypes
O18 (ATCC #23513), **O44** (ATCC
#13736), **O112** (ATCC #12804), and
O125 (ATCC #12808).

Host Species: Mouse

Antibody Class: 15401 = IgM;
15402, 15403, 15405 = IgG1;
15404 = IgG2b.

Stabilizers: None

Preservatives: None. Available on
request.

ACTIVITY

	Ig mg/ml*	ELISA Titer**
15401	23.4	1: 409,600
15402	35.1	1: 204,800
15403	18.0	1: 204,800
15404	23.1	1: 409,600
15405	20.3	1: 204,800

* Determined by radial immunodiffusion
for several lots of ascites.

**ELISA is an indirect assay against pooled *E.*
coli cells on the solid phase.

Titers represent endpoint dilutions that
achieve absorbance values ≥ 0.1 .

SPECIFICITY

These antibodies specifically recognize
E. coli serotypes O2a/2b, O7, O11,
O18, O44, O75, O112, and O125. All
E. coli O serotypes have not been
tested. These antibodies do not cross-
react with *Enterobacter aerogenes*,
Klebsiella pneumoniae, *Proteus*
mirabilis, *Proteus vulgaris*,
Pseudomonas aeruginosa, or *Serratia*
marcescens.

APPLICATIONS

These antibodies may be used in
immunoassays to identify *E. coli* cells.
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°C to -70°C . Store
product in appropriate aliquots to avoid
multiple freeze-thaw cycles.

*For research only. Not for use in
therapeutic or diagnostic procedures.*