

## DNA Monoclonal Antibodies

### ORDERING INFORMATION

| Catalog No. | Clone No. | MAb Subtype |
|-------------|-----------|-------------|
| 12403       | ET844.2   | IgM         |
| 12404       | ET844.3.1 | IgM         |

| Library Pack No. | 100µg/clone |
|------------------|-------------|
| 124101           | 2 clones    |

**Format:** PEG-purified antibody in PBS, pH 7.4, 0.1% sodium azide.

### SPECIFICATION SUMMARY

**Antigen:** Calf thymus DNA.

**Host Species:** Mouse

**Specificity:** These antibodies recognize single- or double-stranded eucaryotic DNA as well as *E. coli* DNA. Reactivity with other prokaryotic DNA has not been investigated.

| ELISA O.D. |        |        |                |                |
|------------|--------|--------|----------------|----------------|
|            | #12403 | #12404 | #12403         | #12404         |
| ug/ml      | Human  | Human  | <i>E. coli</i> | <i>E. coli</i> |
| DNA        | DNA    | DNA    | DNA            | DNA            |
| 1.0        | 3.182  | 2.200  | 3.361          | 2.205          |
| 0.5        | 2.957  | 1.808  | 2.988          | 1.963          |
| 0.25       | 2.202  | 1.135  | 1.687          | 0.851          |
| 0.125      | 1.486  | 0.812  | 1.061          | 0.575          |
| 0.060      | 0.999  | 0.506  | 0.700          | 0.397          |
| 0.030      | 0.613  | 0.371  | 0.474          | 0.243          |
| 0.016      | 0.377  | 0.205  | 0.336          | 0.180          |
| 0.008      | 0.187  | 0.113  | 0.192          | 0.127          |

#12403 and #12404 used at 1ug/ml. DNA samples incubated at 96°C for 5 min. then on ice for 10 min. prior to coating ELISA plates.

### APPLICATIONS

These antibodies have been qualified for use in ELISA to detect eucaryotic and *E. coli* DNA.

### DILUTION INSTRUCTIONS

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

### STORAGE AND STABILITY

These antibodies are stable for at least one (1) year at 4°C. DO NOT FREEZE.

### PRODUCT REFERENCE

Abe M. et al 2011 PLoS One 6: e23848 (used #12404 at 1:200 in immunofluorescence).