

***Francisella tularensis* LPS Monoclonal Antibody**

ORDERING INFORMATION

Catalog Nos.: 18741 (T14) and 18742 (FB11)

Size: 200 ug purified antibody in PBS, pH 7.4.

BACKGROUND

Francisella tularensis is a small, nonmotile, aerobic, gram-negative coccobacillus and the etiologic agent of tularemia. It has a thin lipopolysaccharide-containing envelope and is a resilient non-spore-forming bacterium that can survive for several weeks at low temperatures in water, soil, hay, and decaying animal carcasses. Lipopolysaccharide (LPS) is a major species-specific antigen of *F. tularensis*.

SPECIFICATION SUMMARY

Antigen: Purified LPS of *F. tularensis* strain 15.

Host Species: Mouse

Antibody Class: IgG3=18741;
IgG2a=18742.

Preservative: 0.1% NaN₃

SPECIFICITY

These antibodies specifically recognize *F. tularensis* LPS. They do not cross-react with *F. novicida*, *B. abortus*, *B. suis*, *B. melitensis*, *B. ovis*, *B. neotomae*, *Y. pestis*, *Y. pseudotuberculosis*, *Y. enterocolitica*, *S. typhimurium*, *V. cholera*, or *E. coli*.

APPLICATIONS

Double Sandwich ELISA: use 18741 as coating antibody at 5 ug/ml and as detect antibody at 1 ug/ml.

Immunofluorescence: use at 5-10 ug/ml.

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. Avoid multiple freeze-thaw cycles.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.