

QED Bioscience Inc.

ADVANCED RESEARCH TECHNOLOGIES

***Streptococcus pneumoniae* Monoclonal Antibodies**

ORDERING INFORMATION

Catalog No.: 22001-22004.

Size: 200 ug purified antibody in PBS, pH 7.4

SPECIFICATION SUMMARY

Antigen: 22001 and 22002 = heat-killed *S. pneumoniae*, strain R36A.

22003 and 22004 = full-length recombinant pneumococcal surface protein A, type 2 strain D39.

Host Species: Mouse

Antibody Class: 22001 and 22004 = IgM; 22002 = IgG2b; 22003 = IgG1.

Stabilizers: None

Preservatives: None. Available on request.

ACTIVITY

	ELISA Titer*
22001	1 : 16,000
22002	1: 64,000
22003	1: 32,000
22004	1: 32,000

*ELISA is an indirect assay against *Strep. pneumoniae* cells on the solid phase. Starting concentration of antibodies is 1 mg/ml.

SPECIFICITY

These antibodies specifically recognize pneumococcal surface protein A.

APPLICATIONS

These antibodies may be used in immunoassays to detect and quantitate *Strep. pneumoniae*. In addition, they can protect against lethal pneumococcal infection in a mouse model. 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 in vitro investigational use only.

Not for use in therapeutic or diagnostic procedures.