QED Bioscience Inc.

ADVANCED RESEARCH TECHNOLOGIES

Theophylline Monoclonal Antibodies

ORDERING INFORMATION

Catalog No.: 16201-16209.

Size: 1 ml ascites or 1 mg Protein G-purified antibody in PBS, pH 7.4.

SPECIFICATION SUMMARY

Antigen: Theophylline conjugated to KLH.

Host Species: Mouse

Antibody Class: IgG1

Stabilizers: None

Preservatives: None. Available on request.

ACTIVITY

	Ig mg/ml*	ELISA Titer**
16201	12.6	1 : 64,000
16202	23.9	1: 51,200
16203	10.1	1: 12,800
16204	14.9	1: 51,200
16205	6.0	1: 25,600
16206	6.9	1: 12,800
16207	9.1	1: 25,600
16208	9.6	1: 51,200
16209	18.6	1: 12,800

* Determined by radial immunodiffusion for several lots of ascites.

**ELISA is an indirect assay against theophylline conjugated to BSA on the solid phase. Titers represent endpoint dilutions that achieve absorbance values >0.1.

SPECIFICITY

These antibodies recognize theophylline and cross-react to different degrees with caffeine:

16202 <16204 <16205 <16203 <16201
(~2%) (~25%)

Not determined for 16206-16209.

APPLICATIONS

These antibodies may be used in immunoassays to detect and quantitate theophylline. Not all applications have been investigated.

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^{o}C to -70^{o}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 procedure

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