

## Theophylline Monoclonal Antibodies

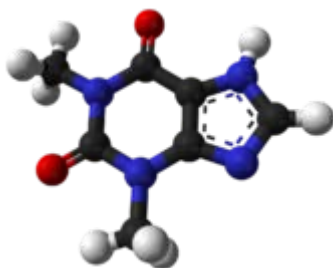
### ORDERING INFORMATION

Catalog No.	Clone No.	MAb Subtype	Size
16201	TH4-1.67	IgG1	100ug, 500ug
16202	TH11-58.3.1.2	IgG1	100ug, 500ug
16203	TH11-84.4.1	IgG1	100ug, 500ug
16204	TH12-124.1.1.1	IgG1	100ug, 500ug
16205	TH12-127.1	IgG1	100ug, 500ug
16206	TH12-103.4	IgG1	100ug, 500ug
16207	TH12-104.2	IgG1	100ug, 500ug
16208	TH12-116.4	IgG1	100ug, 500ug
16209	TH12-122.4	IgG1	100ug, 500ug

Library Pack No.	100ug/clone
162101	All 9 clones

**Format:** Protein G-purified antibody in PBS, pH 7.4.

### BACKGROUND



Theophylline, also known as 1,3-dimethylxanthine, is a methylxanthine drug used in therapy for respiratory diseases such as chronic obstructive pulmonary disease (COPD) and asthma. As a member of the xanthine family, it bears structural and pharmacological similarity to theobromine and caffeine. A small amount of theophylline is one of the products of caffeine processing in the liver.

### SPECIFICATION SUMMARY

**Antigen:** Theophylline conjugated to KLH.

**Host Species:** Mouse

**Specificity:** These antibodies recognize theophylline and cross-react to different degrees with caffeine: 16201 > 16203 > 16205 > 16204 > 16202 (~25%)      Not determined for 16206-16209 (~2%)

### APPLICATIONS

These antibodies have been qualified for use in ELISA to detect theophylline.

### 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 -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.*