

# QED Bioscience Inc.

ADVANCED RESEARCH TECHNOLOGIES

## Dopamine Monoclonal Antibodies

### ORDERING INFORMATION

**Catalog No.:** 21201

**Size:** 100 ug Protein A-purified antibody in PBS, pH 7.4.

### SPECIFICATION SUMMARY

**Antigen:** Dopamine conjugated to bovine serum albumin.

**Host Species:** Mouse

**Antibody Class:** IgG1

**Stabilizers:** None

**Preservatives:** 0.1% sodium azide.

### SPECIFICITY AND ACTIVITY

The affinity of this antibody for dopamine-BSA is 10 nM and for noradrenaline-BSA is 100 nM. Affinity for unconjugated catecholamines (dopamine, noradrenaline, adrenaline) is lower (approx. 100 uM).

At 1 uM, this antibody inhibits dopamine binding to membrane receptor from human corpus striatum.

### APPLICATIONS

This antibody may be used for immunohistochemical detection of catecholamine-secreting cells. 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°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*