

## RNA Polymerase II Monoclonal Antibody

### ORDERING INFORMATION

**Catalog No.:** 70101 (8WG16).

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

### SPECIFICATION SUMMARY

**Antigen:** Purified wheat germ RNA polymerase II.

**Host Species:** Mouse.

**Antibody Class:** IgG2a.

**Preservatives:** None. Available on request.

### SPECIFICITY

This antibody reacts with the highly conserved heptapeptide repeat of the largest subunit of eukaryotic RNA polymerase II. It inhibits promoter-directed transcription, but it does not inhibit elongation in the nonspecific transcription assay.

### APPLICATIONS

This antibody may be used to detect unproteolyzed RNA polymerase II or to inhibit specific transcription from class II promoters. This is a polyol-responsive antibody and can be used in gentle purifications of RNA polymerase II from wheat germ, calf thymus, and yeast and is likely to purify RNA polymerase II from most eukaryotic organisms.

### 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.

### REFERENCE

Thompson NE et al. 1989. *J Biol Chem* **264**: 11511-11520; Thompson NE et al. 1990. *J Biol Chem* **265**: 7069-7077.

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