

## Human Insulin Monoclonal Antibodies

### **ORDERING INFORMATION**

**Catalog No.:** 20801-20803

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

### **SPECIFICATION SUMMARY**

**Antigen:** Purified human insulin.

**Host Species:** Mouse

**Antibody Class:** IgG1

**Stabilizers:** None

**Preservatives:** 0.1% sodium azide.

### **SPECIFICITY**

All three antibodies recognize human insulin and cross-react with human proinsulin, bovine insulin, and porcine insulin.

20801 (C7C9) reacts with C-terminal pentapeptide of insulin beta chain;  
Kd =  $10^{-9}$  M.

20802 (D4B8) Kd =  $1.5 \times 10^{-8}$  M.

20803 (7F8) Kd =  $7.5 \times 10^{-9}$  M.

### **APPLICATIONS**

These antibodies may be used in immunoassays to detect and quantitate human insulin. 20802 and 20803 may be used as an antibody pair in a two-site ELISA. 20802 may be used in immunohistochemistry on frozen sections. 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  $-20^{\circ}\text{C}$  to  $-70^{\circ}\text{C}$ . 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.*