

QED Bioscience Inc.

ADVANCED RESEARCH TECHNOLOGIES

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 = 1.5×10^{-8} M.

20803 (7F8) Kd = 7.5×10^{-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°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.