

QED Bioscience Inc.

ADVANCED RESEARCH TECHNOLOGIES

IGF-1 Receptor Monoclonal Antibodies

ORDERING INFORMATION

Catalog No.: 35101, 35102, 35103

Size: 100 ug Protein G-purified antibody in PBS, pH 7.4

SPECIFICATION SUMMARY

Antigen: Purified human placental IGF-1 receptors.

Host Species: Mouse

Antibody Class: IgG1

Stabilizers: None

Preservatives: None. Available on request.

SPECIFICITY

All three clones are specific for the human IGF-1 receptor; 35102 and 35103 recognize the α subunit:

- 35101 (3B7) stimulates binding of IGF-1 and -2; stimulates basal and IGF-1 stimulated cell growth.
- 35102 (1H7) inhibits binding of IGF-1 and -2; inhibits cell growth.
- 35103 (2C8) has no effect on binding of IGF-1 or -2.

APPLICATIONS

Use these antibodies in research studies to delineate signal transduction pathways specific for IGF's and for detecting IGF-1 receptors in crude samples. 35101 may be used to immunoprecipitate IGF-1 receptors. 35102 and 35103 can recognize the IGF-1 α subunit on immunoblots.

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

Xiong et al. (1992) Proc Natl Acad Sci USA 89: 5356; Li et al. (1993) Biochem Biophys Res Commun 196: 92.

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