

## Insulin Receptor Monoclonal Antibodies

### ORDERING INFORMATION

**Catalog No.:** 50101, 50102, 50103, 50104.

**Size:** 100 ug Protein G-purified antibody in PBS, pH 7.

### SPECIFICATION SUMMARY

**Antigen:** 50101, 50102, 50103: IM-9 lymphocytes. 50104: human placental insulin receptor.

**Host Species:** Mouse.

**Antibody Class:** 50101 = IgG2a; 50102, 50103 = IgG1; 50104 = IgG2b

**Stabilizers:** None

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

### 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

### REFERENCES

Soos et al. (1986) Biochem J 235: 199;  
Brindle et al. (1990) Biochem J 268: 615; Prigent et al. (1990) J Biol Chem 265: 9970.

### SPECIFICITY

All four clones recognize the human insulin receptor; low-level of cross-reactivity with bovine and rabbit insulin receptor.

<u>Cat. No.</u>	<u>Subunit Specificity</u>	<u>% Inhibition of Insulin Binding</u>		<u>Biological Activity</u>	<u>Conc. for half-maximal effect (nM)</u>	
		<u>IM-9</u>	<u>Adipocytes</u>		<u>Inhibition of Insulin Binding</u>	<u>Stimulation of Lipogenesis</u>
50101 (83-14)	$\alpha$	80	90	Insulin-like	0.05	0.01
50102 (83-7)	?	0	10	Insulin-like	-	1.0
50103 (47-9)	$\alpha$	92	98	Inhibits insulin	0.2	-
50104 (18-44)	$\beta$	35	40	Insulin-like	0.2	0.3

### APPLICATIONS

<u>Cat. No.</u>	<u>Immunoprecipitation</u>	<u>Western Blot</u>	<u>Receptor Kinase Assay</u>
50101 (83-14)	+++	-	Activates receptor kinase
50102 (83-7)	+	-	Activates receptor kinase
50103 (47-9)	-	-	Blocks activation by insulin
50104 (18-44)	+	+	Activates receptor kinase

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