

Insulin Receptor Monoclonal Antibodies

ORDERING INFORMATION

Catalog Nos.: 50101, 50102, 50103, 50104.

Format: 100µg Protein G-purified antibody in PBS, pH 7.4.

SPECIFICATION SUMMARY

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

Gene ID: 3643

Accession no.: P06213

Host Species: Mouse

Antibody Subtype: 50101 = IgG2a; 50102 and 50103 = IgG1; 50104 = IgG2b.

Specificity: All four clones recognize human insulin receptor; low-level 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)	α	80	90	Insulin-like	0.05	0.01
50102 (83-7)	?	0	10	Insulin-like	-	1.0
50103 (47-9)	α	92	98	Inhibits insulin	0.2	-
50104 (18-44)	β	35	40	Insulin-like	0.2	0.3

<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

DILUTION INSTRUCTIONS

Dilute in PBS or medium that 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.

PRODUCT 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.

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