

**Anti-GLP-1(1-36)amide (N-terminal-extension specific)
 Mouse monoclonal antibody**

Subclass: IgG1/k

PRODUCT NO.

HYB 011-05

Clone: 9F8

PRESENTATION

Preparation: Protein-A/G purified

Content: Available in 200 µL and 1 mL size. 1 mg/mL +/- 15%. See Certificate of Analysis for details.

Solvent: 0.01 M phosphate buffer, pH 7.4, containing 0.5 M NaCl and 15 mM sodium azide

Storage: 4-8°C without exposure to light. No precautions necessary during handling.

ANTIGEN

GLP-1 is a peptide hormone of the glucagon family, produced by the L cells of the intestinal mucosa from the same prohormone as glucagon. The active forms are potent stimulators of glucose-dependent insulin secretion. GLP-1 (1-36) amide is an incompletely processed precursor form showing relatively little bioactivity.

IMMUNOGEN

Synthetic peptide adsorbed onto aluminum hydroxide gel

SPECIFICITY

HYB 011-05 is specific for the N-terminal region (residues 1-6) of the GLP-1. No cross-reactivity with GLP-1 (7-36) amide or (7-37). GLP-1 is 100% conserved in all tested mammalian species.

EPI TOPE SPECIFICITY

Residues 1-6 of GLP-1

REACTIVITY

HYB 011-05 reacts with the low activity enzyme GLP-1(1-36)amide, but not with either of the activated forms GLP-1(7-36)amide and GLP-1(7-37)amide.

CULTURE MEDIUM

RPMI 1640 with 10% fetal calf serum

FUSION PARTNER

X63-Ag8.653

IMMUNIZATION

Female CF1 x BALB/c mice immunized by intraperitoneal injection

APPLICATION

Method	Usability	References
ELISA	Yes	1
Immunoblotting	Not determined	
Immunohistochemistry	Not determined	

REFERENCES

1. Ghiglione M, Uttenthal LO, Koch C (1993) Monoclonal antibodies to glucagon-like peptide-1. Digestion 54:396-397.

CONDITIONS

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