

**Anti Glucagon-like peptide-1 (GLP-1 (1-36) amide)  
Mouse Monoclonal Antibody**

Subclass: IgG1/k

PRODUCT NO.	<b>HYB 011-05</b>
PRESENTATION	Preparation: Protein-A purified Content: 1 mL, 1 mg/mL Solvent: 0.01 M phosphate buffer, pH 7.4, with 0.5 M NaCl Storage: In the dark at 4-8°C
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 coupled to diphtheria toxoid with glutaraldehyde
SPECIFICITY	HYB 011-05 is specific for the N-terminal region (residues 1-6) of the GLP-1. No crossreactivity with GLP-1 (7-36) amide or (7-37).
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	Dulbecco's modified Eagle's medium with 10% fetal calf serum
FUSION PARTNER	X63-Ag8.653.
IMMUNIZATION	Female CF1 x BALB/c mice immunized i.p. with immunogen adsorbed onto Al(OH) <sub>3</sub>
APPLICATION	

Method	Usability	Dilution guideline	References
ELISA	Yes	1:16,000	1
Immunoblotting	Not determined		
Immunohistochemistry	Not determined		

The dilution guideline for ELISA is based on use as detection antibody for antigen coated at 0.1-1 µg/ml. Users should determine the optimal dilutions for their own purposes.

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

All products are supplied on the understanding that they are for in vitro use only. The information and product are offered without guarantee as the ultimate conditions of use are beyond our control. The animals from which this product was derived have not been exposed to or inoculated with any livestock or poultry disease agents exotic to the United States or Western Europe, and did not originate from facilities where work with exotic disease agents affecting livestock or avian species is carried out.