

**Anti-Glucagon-like peptide-1 (GLP-1(7-36)amide)
 Mouse monoclonal antibody**

Subclass: IgG1/k

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| PRODUCT NO. | HYB 147-06 |
| PRESENTATION | Preparation: Protein-A purified Content: Available in 200 µL and 1 mL volumes, 1 mg/mL Solvent: 0.01 M phosphate buffer, pH 7.4, containing 0.5 M NaCl and 15 mM sodium azide Storage: In the dark at 4-8°C |
| ANTIGEN | Glucagon-like peptide 1(7-36)amide (GLP-1(7-36)amide) is the principal active form of GLP-1, the other being GLP-1(7-37). 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. The sequence of GLP-1 is fully conserved in all mammalian species examined so far. |
| IMMUNOGEN | Synthetic GLP-1(7-36)amide coupled to carrier and adsorbed onto aluminum hydroxide gel. |
| SPECIFICITY | HYB 147-06 is specific for the amidated C terminus of the peptide and does not react with GLP-1(7-37) (1). |
| EPI TOPE SPECIFICITY | C-terminal epitope of GLP-1(7-36)amide |
| REACTIVITY | HYB 147-06 reacts with the amidated C-terminus of GLP-1(7-36)amide, GLP-1(9-36)amide and GLP-1(1-36)amide. HYB 147-06 can be used as capture antibody in sandwich ELISA (1) using HYB 147-12B or ABS 033-10 as detection antibody. HYB 147-06 has been used for the immunoblockade of endogenous GLP-1 in rats (2). |

CULTURE MEDIUM RPMI 1640 with 10% fetal calf serum

FUSION PARTNER X63-Ag8.653

IMMUNIZATION Female BALB/c mice immunized by intraperitoneal injections

| Method | Usability | Dilution guideline | References |
|----------------------|----------------|--------------------|------------|
| ELISA | Yes | 1/8000 | 1 |
| Immunoblotting | Not determined | | |
| Immunohistochemistry | Yes | 1/200 | |

The dilution guideline for ELISA is based on use as detection antibody for antigen coated at 0.5 µg/ml. Users should determine the optimal dilutions for their own purposes.

- REFERENCES
- Ghiglione M, Uttenthal LO, Koch C (1993) Monoclonal antibodies to glucagon-like peptide-1. *Digestion* 54:396-397.
 - van Delft J, Uttenthal O, Koch C, Ghiglione M (1999) Immunoblockade of endogenous glucagon-like peptide-1 by monoclonal antibodies in conscious rats: effect on the insulin response to intragastric glucose. *Metabolism* 48:41-46.

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.