ANTIBODYSHOP®

PRODUCT SPECIFICATION
04/01/2012

Anti-Glucagon-like peptide-1 (GLP-1(7-36)amide, C-terminal specific) Mouse monoclonal antibody

PRODUCT NO.

HYB 147-06

Subclass: IgG1/k

Clone: 8G9

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: 4-8ºC without exposure to light. No precautions necessary during handling.

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).

EPITOPE 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 033-10B 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

APPLICATION

Method	Usability	References
ELISA	Yes	1
Immunoblotting	Not determined	
Immunohistochemistry	Yes	

REFERENCES

1. Ghiglione M, Uttenthal LO, Koch C (1993) Monoclonal antibodies to glucagon-like peptide-1. Digestion 54:396-397.
2. 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.

BioPorto Diagnostics A/S • Grusbakken 8 • DK-2820 Gentofte • Denmark • info@bioporto.com • www.bioporto.com
Phone: +45 4529 0000 • Fax: +45 4529 0001 • CVR / Vat: DK-1864 5882