

**Anti-GLP-1 (Non-amidated (-Arg-Gly), C-terminal specific)
Mouse monoclonal antibody, biotinylated**

Subclass: IgG1/k

CAT. NO.

ABS 046-03 B

Clone: 03

SPECIFICITY ABS 046-03 binds GLP-1(1-37), GLP-1(7-37) and GLP-1(9-37).
Cross-reaction with C-terminally amidated GLP-1 is 0-16% in various circumstances.

IMMUNOGEN Synthetic GLP-1(9-37)

TESTED APPLICATIONS ELISA

**SPECIES REACTIVITY
(POSITIVE)** Human

**SPECIES REACTIVITY
(NEGATIVE)** Not determined

EPITOPE SPECIFICITY C-terminus of GLP-1(1-37), GLP-1(7-37) and GLP-1(9-37)

PRESENTATION

Content: 150 µL, 1 mg/mL +/- 15%. See Certificate of Analysis for details.

Preparation: Biotinylated

Form: Liquid

Solvent: 0.01 M phosphate buffer, pH 7.4, with 0.14 M NaCl and 15 mM sodium azide

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

APPLICATION **ELISA:** ABS 046-03B as a biotinylated detection antibody and HYB 147-12 as a capture antibody cross-reacting about 16% with C-terminally amidated GLP-1. Results show detection limits of 44pmol/L which is 10-20 times higher than the basal concentration of GLP-1, so the assays have to be optimized.

TARGET 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.

REFERENCES

CONDITIONS

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