

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

Subclass: IgG1/k

PRODUCT NO.

**ABS 046-03 B**

Clone: 03

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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)

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## PRESENTATION

Content:	50 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.

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## 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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