

Anti-GLP-1(7-37) and GLP-1(7-36)amide (N-terminal specific)**Mouse monoclonal antibody, biotinylated**

Subclass: IgG2a/k

CAT. NO.

ABS 033-10B

Clone: 10

SPECIFICITY ABS 033-10 binds the free N-terminus of GLP-1(7-37) and GLP-1(7-36)amide and shows <0.2% cross-reactivity with GLP-1(9-36)amide, glucagon and human GIP. Cross-reacts 0.25% with GLP-1(1-37), approximately 6% with human GLP-2 and approximately 50% with exendin-4. ABS 033-10 cross-reacts with Liraglutide.

IMMUNOGEN Synthetic GLP-1(7-17)

TESTED APPLICATIONS ELISA

SPECIES REACTIVITY (POSITIVE) Human

SPECIES REACTIVITY (NEGATIVE) Not determined

EPITOPE SPECIFICITY Free N-terminus of GLP-1(7-37) and GLP-1(7-36)amide.

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 033-10B can be used as a detection antibody in combination with ABS 046-03 as a capture antibody in order to measure non-amidated GLP-1 forms and cross-reacting about 5% 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 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.

REFERENCES**CONDITIONS**

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