

Anti-GLP-1(9-37) and GLP-1(9-36)amide (N-terminal specific)**Mouse monoclonal antibody**

Subclass: IgG1/k

CAT. NO.

ABS 044-49

Clone:49

SPECIFICITY	ABS 044-49 binds human GLP-1(9-36)amide. Based on inhibition ELISA, ABS 044-49 cross-reacts 3% with GLP-1(7-36)amide.
IMMUNOGEN	Synthetic GLP-1(9-18)
TESTED APPLICATIONS	ELISA, WB
SPECIES REACTIVITY (POSITIVE)	Human
SPECIES REACTIVITY (NEGATIVE)	Not determined
EPITOPE SPECIFICITY	The free N-terminus of GLP-1(9-36)amide and GLP-1(9-37)

PRESENTATION

Content:	Available in 200 µL and 1 mL size. 1 mg/mL +/- 15%. See Certificate of Analysis for details.
Preparation:	Protein-A purified
Form:	Liquid
Solvent:	0.01 M phosphate buffer, pH 7.4, containing 0.5 M NaCl and 15 mM sodium azide
Storage:	4-8°C without exposure to light. No precautions necessary during handling.

APPLICATION	ELISA: ABS 044-49 binds free GLP-1(9-36)amide in solution. In a sandwich ELISA ABS 044-49 (as capture antibody) forms a pair with HYB 147-06B (as biotinylated detection antibody) in order to measure "degraded GLP-1" (the GLP-1 metabolite (GLP-1(9-36)amide)). WB: ABS 044-49 can be used in Western blotting.
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TARGET	Glucagon-like peptide-1(9-36)amide and GLP-1(9-37) are the forms of GLP-1 that result from the rapid degradation of the active forms of the peptide (GLP-1(7-36)amide and GLP-1(7-37)) by the enzyme dipeptidyl peptidase-IV (DPP-IV, also known as CD26 or adenosine deaminase binding protein). 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.
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REFERENCES**CONDITIONS**

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