

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

Subclass: IgG1/k

CAT. NO.

ABS 033-04

Clone: 4

SPECIFICITY	ABS 033-04 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(1-37), GLP-1(9-36)amide, glucagon, human GIP and exendin-4. Cross-reacts approximately 1% with human GLP-2.
IMMUNOGEN	Synthetic GLP-1(7-17)
TESTED APPLICATIONS	ELISA, IHC
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:	Available in 400 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 033-04 binds free GLP-1(7-37) and free GLP-1(7-36)amide. Not recommended for use in sandwich ELISA (1). IHC: ABS 033-04 can be used in IHC.
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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.
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REFERENCES	1. Murphy RE, Kihikar AG, Shields MJ, Rosario JD, Preston R, Levin N, Ward GH (2010) Combined use of immunoassay and two-dimensional liquid chromatography mass spectrometry for the detection and identification of metabolites from biotherapeutic pharmacokinetic samples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> 53:221-227.
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