

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 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 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.

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 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. Journal of Pharmaceutical and Biomedical Analysis 53:221-227.

CONDITIONS

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