

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

Subclass: IgG1/k

CAT. NO.

ABS 044-53

Clone: 53

SPECIFICITY ABS 044-53 binds human GLP-1(9-36)amide.
Based on inhibition ELISA, ABS 044-53 cross-reacts <2% 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 044-53 binds free GLP-1(9-36)amide in solution. ABS 044-53 has higher affinity for GLP-1(9-36)amide than ABS 044-49 as determined by inhibition.
WB: ABS 044-53 can be used in Western blotting.

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.

REFERENCES**CONDITIONS**

Unless otherwise marked, all products are for research use only. Not for use in diagnostic procedures. Not for use in human therapeutic applications. For in vitro use or further manufacture only. The information and product are offered without guarantee as the ultimate conditions of use are beyond our control. The foregoing is in lieu of all warranties, expressed or implied, including implied warranties of merchantability and fitness for a particular purpose. In no event shall BioPorto Diagnostics A/S be responsible for loss of profits or indirect consequential losses resulting from use of its products.