

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

Subclass: IgG1/k

PRODUCT NO.

ABS 044-53

Clone: 53

PRESENTATION

Preparation: Protein-A/G purified

Content: Available in 200 µL and 1 mL size. 1 mg/mL +/- 15%. See Certificate of Analysis for details.

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.

ANTIGEN

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.

IMMUNOGEN

Synthetic GLP-1(9-18) adsorbed onto aluminum hydroxide gel

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

EPI TOPE SPECIFICITY

The free N-terminus of GLP-1(9-36)amide and GLP-1(9-37)

REACTIVITY

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.

CULTURE MEDIUM

RPMI 1640 with 10% fetal calf serum

FUSION PARTNER

SP2mIL6

IMMUNIZATION

NMRI x BALB/c mice immunized by intraperitoneal injection

APPLICATION

Method	Usability	References
ELISA	Yes	
Immunoblotting	Not determined	
Immunohistochemistry	Not determined	

REFERENCES

CONDITIONS

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