

Anti-GLP-1(9-37) and GLP-1(9-36)amide (N-terminal specific)

CAT. NO. ABS 044-53

OVERVIEW

Product Name	Anti-GLP-1(9-37) and GLP-1(9-36)amide (N-terminal specific)	Conjugation	Unconjugated
Description	Mouse monoclonal antibody	Host	Mouse
Isotype	IgG1/k	Clone	53
Tested Applications	ELISA, WB		

SPECIFICITY

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

Immunogen Synthetic GLP-1(9-18) **Gene ID** 2641

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.

Species Reactivity POSITIVE Human **Species Reactivity NEGATIVE** Not determined

PROPERTIES

Form	Liquid	Unit Size	0,4 mL and 1 mL
Concentration	1 mg/mL ±15%, See CoA for lot details		
Purification	Protein A or Protein G purified	Purification Notes	BSA free
Storage buffer	0.01 M phosphate buffer, pH 7.4, with 0.5 M NaCl and 15 mM sodium azide		
Storage condition	2-8°C without exposure to light		
Safety	Wear protective clothing		

TESTED APPLICATIONS

ELISA ABS 044-53 binds free GLP-1(9-36)amide in solution. ABS 044-53 has a 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.

SCIENTIFIC REFERENCES

N/A

CONDITIONS

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