

Anti-GLP-1(7-37) and GLP-1(7-36) amide (N-terminal specific)

CAT. NO. ABS 033-04

OVERVIEW

Product Name	Anti-GLP-1(7-37) and GLP-1(7-36) amide (N-terminal specific)	Conjugation	Unconjugated
Description	Mouse monoclonal antibody	Host	Mouse
Isotype	IgG1/k	Clone	4
Tested Applications	ELISA, IHC		

SPECIFICITY

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)	Gene ID	2641
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.		
Species Reactivity POSITIVE	Human	Species Reactivity NEGATIVE	Not determined

PROPERTIES

Form	Liquid	Unit Size	0,4 mL and 1 mL
Concentration	1 mg/mL $\pm$ 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 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.

SCIENTIFIC REFERENCES

1. Murphy RE, Kinhikar 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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