

Anti-Exendin-4

CAT. NO. ABS 012-35B

OVERVIEW

Product Name	Anti-Exendin-4	Conjugation	Biotin
Description	Mouse monoclonal antibody, biotinylated	Host	Mouse
Isotype	IgG1/k	Clone	35
Tested Applications	ELISA		

SPECIFICITY

Specificity	Specific for exendin-4. No cross-reactivity with GLP-1, GLP-2 (human) or glucagon coated on ELISA wells. The epitope is in the 9-39 region of the peptide, and the antibody cross-reacts strongly with exendin (9-39) amide.		
Immunogen	Synthetic exendin-4	Gene ID	-
Target	Exendin-4 is a 39 amino acid peptide found in venom from the Gila monster <i>Heloderma suspectum</i> . It is a member of the glucagon-secretin family of peptide hormones and neuropeptides. Exendin-4 is a potent agonist of the GLP-1 receptor and hence a potent stimulator of insulin secretion.		
Species Reactivity	Gila monster <i>Heloderma suspectum</i>	Species Reactivity	Not determined
POSITIVE		NEGATIVE	

PROPERTIES

Form	Liquid	Unit Size	0,15 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 0.14 M NaCl and 15 mM sodium azide		
Storage condition	2-8°C without exposure to light		
Safety	Wear protective clothing		

TESTED APPLICATIONS

ELISA	ABS 012-35 (as biotinylated detection antibody) forms a sandwich ELISA pair with ABS 033-10 (as capture antibody) for measuring exendin-4, giving a detection limit of as little as 40 pmol/L in an unoptimized buffer assay. (1)
--------------	---

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

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.