

## 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
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>
POSITIVE	Not determined
NEGATIVE	

### PROPERTIES

Form	Liquid	Unit Size	0,15 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 0.14 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)
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### SCIENTIFIC REFERENCES

1. Murphy RE, Kinikar 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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