

**Anti-Exendin-4**

**Mouse monoclonal antibody, biotinylated**

Subclass: IgG1/k

CAT. NO.

**ABS 012-35B**

Clone: 35

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SPECIFICITY	Specific for exendin-4. No cross-reactivity with GLP-1, GLP-2 (human) or glucagon coated on ELISA wells.
IMMUNOGEN	Synthetic exendin-4
TESTED APPLICATIONS	ELISA
SPECIES REACTIVITY (POSITIVE)	Human
SPECIES REACTIVITY (NEGATIVE)	Not determined
EPITOPE SPECIFICITY	The epitope is in the 9-39 region of the peptide, and the antibody cross-reacts strongly with exendin (9-39) amide.

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**PRESENTATION**

Content:	150 µL, 1 mg/mL +/- 15%. See Certificate of Analysis for details.
Preparation:	Biotinylated
Form:	Liquid
Solvent:	0.01 M phosphate buffer, pH 7.4, with 0.14 M NaCl and 15 mM sodium azide
Storage:	4-8°C without exposure to light. No precautions necessary during handling.

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**APPLICATION**      **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).

**TARGET**              Exendin-4 is a 39 amino acid peptide found in venom from the Gila monster *Heloderma suspectum*. 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.

**REFERENCES**              1. Murphy RE, Kinkhikar 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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