

**Anti-Exendin-4**

**Mouse monoclonal antibody**

Subclass: IgG1/k

CAT. NO.

**ABS 012-20**

Clone: 20

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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:	Available in 400 µL and 1 mL size. 1 mg/mL +/- 15%. See Certificate of Analysis for details.
Preparation:	Protein-A purified
Form:	Liquid
Solvent:	0.01 M phosphate buffer, pH 7.4, containing 0.5 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 012-20 binds to exendin-4 when coated on ELISA wells and reacts specifically with exendin-4 in solution giving a  $K_a$  of  $1.6 \times 10^8$  in inhibition ELISA. The binding between ABS 012-20 and exendin-4 is disrupted by 4.5 M  $MgCl_2$ .

**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**

**CONDITIONS**

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