

**Anti-Exendin-4**  
**Mouse monoclonal antibody**

CAT. NO.

**ABS 012-24**

Subclass: IgG1/k

Clone: 24

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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 012-24 binds to exendin-4 when coated on ELISA wells and reacts specifically with exendin-4 in solution giving a  $K_a$  of  $1.8 \times 10^8$  in an inhibition ELISA. The binding between ABS 012-24 and exendin-4 is disrupted by 0.1 M glycine pH 3.

**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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