



BMA BIOMEDICALS



Peninsula Laboratories

T-4844

Rabbit anti Exendin-4

Exendin-4 is a 39 amino acid peptide amide known to be a long-acting agonist of the glucagon-like peptide 1 receptor (GLP-1). It is involved in glucose-dependent enhancement of insulin secretion, reduction of hyperglycemia, and glucose-dependent suppression of high glucagon secretion. Exendin-4 is used as active component of Byetta® (exenatide) injection, which may improve glycemic control in people with type 2 diabetes mellitus.

This antibody was generated by immunization of rabbits with Exendin-4 coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A16663
Host species:	Rabbit IgG
Quantity:	400µg
Format:	Protein A affinity purified from antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 0.2ml distilled water. This stock solution contains 2mg/ml IgG, phosphate buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative.
Stability:	Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
Applications:	This antibody has been tested and validated in ELISA against Exendin-4. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user. Please see www.bma.ch for protocols and general information.
Immunogen:	Synthetic peptide H-His-Gly-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Leu-Ser-Lys-Gln-Met-Glu-GluGlu-Ala-Val-Arg-Leu-Phe-Ile-Glu-Trp-Leu-Lys-Asn-Gly-Gly-Pro-Ser-Ser-Gly-Ala-Pro-Pro-Pro-Ser-NH ₂ coupled to a carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
Exendin-4	100
Exendin-3	100
Exendin-4 (3-39)	100
Exendin-4 (9-39)	100
GLP-1 (7-36) amide (human, rat, mouse, bovine, guinea pig)	0
GLP-1 (7-37) (human, rat, mouse, bovine, guinea pig)	0
GLP-1 (1-37) (human, rat, mouse, bovine, guinea pig)	0
GLP-2 (1-34) (human)	0
Glucagon (1-29) (human)	0

Related Products: S-1310: ELISA, extraction-free for human serum and plasma samples
S-1311: ELISA, extraction-free for rat serum and plasma samples
S-1297: ELISA, high sensitivity for extracted samples

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Purchase of this product does not include authorization to use it in diagnostic or therapeutic applications.

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rabbit IgG

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