



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.

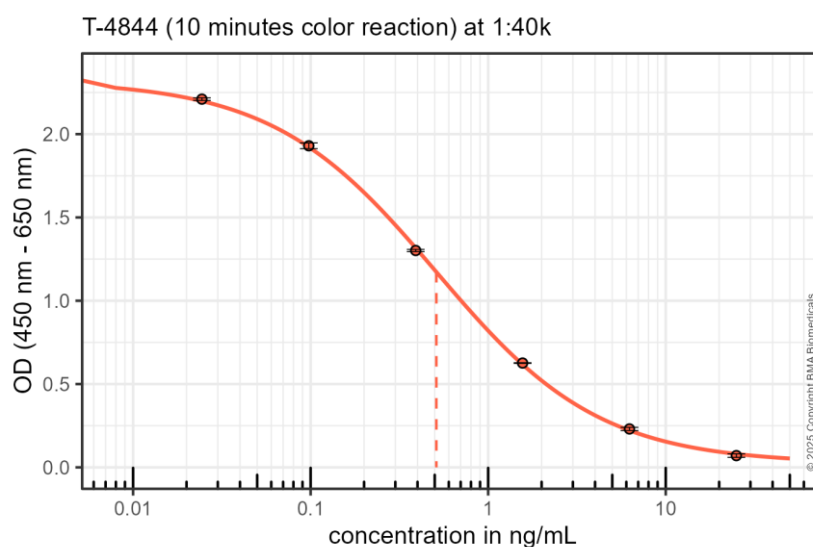
TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A18PO25009
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 buffered saline pH 7.4 (PBS), 6mg/ml BSA as a stabilizer, and 0.05% (w/v) ProClin™ 150 as a preservative.
Stability:	Original vial: 1 year at 4° - 8°C from date of purchase. Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.
Applications:	This antibody has been tested and validated in ELISA against Exendin-4 and in immunohistochemistry (IHC). Other applications like FACS or Western Blot may work as well. Approximate working dilution for IHC: Paraffin sections: (1:800); pretreatment with Proteinase K for antigen is recommended. 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

Typical titration curve of Exendin-4 in a competitive ELISA with this antibody:



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 ProClin™150 as a preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.