



BMA BIOMEDICALS



Peninsula Laboratories

T-4149

Rabbit anti Amylin (human) [UniProt: P10997]

Amylin (also known as islet amyloid polypeptide (IAPP)) is a 37 amino acid peptide hormone with a disulfide bridge between cysteine residues 2 and 7. Both the amidated C-terminus and the disulfide bridge are necessary for the full biological activity of Amylin. It is co-secreted with insulin from the pancreatic β -cells and plays an important role in the glycemic control, regulating it by slowing gastric emptying and promoting satiety. It is also involved in bone metabolism, along with the related peptides calcitonin and calcitonin gene related peptide.

This antibody was generated by immunization of rabbits with Amylin coupled to a carrier protein.

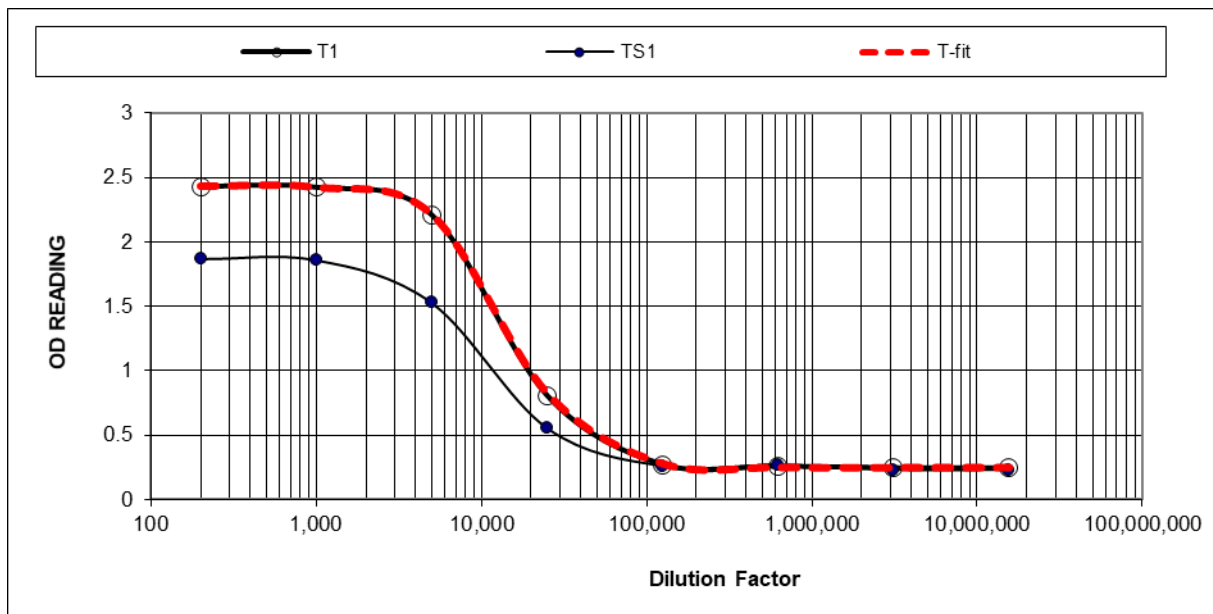
TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A18PO2147
Host species:	Rabbit IgG
Quantity:	400 μ g
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: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the stock solution by freezing aliquots of the stock solution at -20°C or below.
Applications:	This antibody has been tested and validated in ELISA against Amylin and in immunohistochemistry (IHC). Other applications like 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-Lys-Cys-Asn-Thr-Ala-Thr-Cys-Ala-Thr-Gln-Arg-Leu-Ala-Asn-Phe-Leu-Val-His-Ser-Ser-Asn-Asn-Phe-Gly-Ala-Ile-Leu-Ser-Ser-Thr-Asn-Val-Gly-Ser-Asn-Thr-Tyr-NH ₂ , (disulfide bond) coupled to carrier protein.

Cross-Reactivity:

Peptide:	%:
Amylin (free acid) (human)	100
Amylin (human)	100
Amylin (rat)	100
Amylin (feline)	100
α -CGRP (rat)	75
α -CGRP (human)	1
Calcitonin (human)	0
NPY (porcine)	0
Pancreastatin (porcine)	0
VIP (human, bovine, rat, porcine)	0
Insulin (human)	0
Glucagon (1-29) (human, bovine, porcine)	0
Somatostatin-14	0
Pancreatic Polypeptide (human)	0
Proinsulin (human)	0

Typical titration curve of Amylin in a competitive ELISA with this antibody:



Related Products: T-4150: neat antiserum
T-4148: diluted antiserum
S-1187: ELISA, high sensitivity for extracted samples
S-1420: ELISA, extraction-free for human samples
S-1413: ELISA, extraction-free for rat samples

This product contains ProClin 150 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

19.4.2021