



BMA BIOMEDICALS



Peninsula Laboratories

T-4357

Rabbit anti Glucagon (1-29) (human, porcine, rat) [UniProt: P01275, P01274, P06883]

Glucagon is a peptide hormone secreted from the pancreatic Islet of Langerhans alpha-cells. It works to raise the concentration of glucose and fatty acids in the bloodstream, and is considered to be the main catabolic hormone of the body. Glucagon (1-29) acts on hepatic enzymes that regulate glucose production and glycogen synthesis. Excessive amounts of circulating glucagon are implicated in the metabolic dysregulation of type 2 diabetes, since such conditions result in hyperglycemia.

This antibody was generated by immunization of rabbits with Glucagon (1-29) coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A06007
Host species:	Rabbit IgG
Quantity:	50ml diluted antiserum, lyophilized
Format:	Each vial contains enough antiserum for 500 RIA tubes. The powder should be rehydrated with 50ml RIA buffer. Upon reconstitution to 50ml total volume, the solution contains 0.1M sodium phosphate buffer (pH 7.4), 0.05M NaCl, 0.1% BSA, 0.01% NaN ₃ , and 0.1% Triton X-100. Store at 4°C. This should ensure antibody stability for approximately one month.
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 Glucagon (1-29). 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-Ser-Gln-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Lys-Tyr-Leu-Asp-Ser-Arg-Arg-Ala-Gln-Asp-Phe-Val-Gln-Trp-Leu-Met-Asn-Thr-OH coupled to carrier protein.

Cross-Reactivity:

PEPTIDE:	%
Glucagon (1-29) (human, bovine, porcine)	100
Insulin (human)	0
Somatostatin-14	0
α -CGRP (human)	0
Amylin (human)	0
Amylin (rat)	0
Pancreatic Polypeptide (human)	0
Glucagon (19-29) (human)	0
GLP-1 (human)	0
GLP-2 (human)	0
Proinsulin (human)	0

Related Products: T-4359: anti Glucagon (1-29) (hu), neat antiserum
 S-1211: ELISA, high sensitivity for extracted samples
 T-4358: anti Glucagon (1-29) (hu, po, rt), purified IgG
 S-1349: ELISA, extraction-free for serum and plasma samples (hu, rt, po)

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.

T-4357

diluted antiserum

1.3.2021