



BMA BIOMEDICALS



Peninsula Laboratories

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## T-4361

### Rabbit anti Glucagon-Like Peptide-1 (GLP-1) (7-37) (human, bovine, guinea pig, mouse, rat)

Glucagon-Like Peptide-1 (GLP-1) (7-37) is an incretin hormone that causes glucose dependent release of insulin by pancreatic beta cells. It derives from the proteolytic cleavage of proglucagon, which gives rise to two biologically active forms, GLP-1 (7-36) and GLP-1 (7-37). Both play roles in gastric motility on the suppression of plasma glucagon levels and promote the stimulation of glucose disposal in peripheral tissues independent of the actions of insulin.

This antibody was generated by immunization of rabbits with GLP-1 (7-37) coupled to a carrier protein.

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#### TECHNICAL AND ANALYTICAL CHARACTERISTICS

<b>Lot number:</b>	A07799
<b>Host species:</b>	Rabbit IgG
<b>Quantity:</b>	50ml
<b>Format:</b>	This polyclonal antibody is supplied as a lyophilized powder. The powder should be rehydrated with 50ml of 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 <sub>3</sub> , and 0.1% Triton X-100. Store at 4° - 8°C. This should ensure antibody stability for approximately one month.
<b>Stability:</b>	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.
<b>Applications:</b>	This antibody has been tested and validated in ELISA against GLP-1 (7-37). Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user. Please see <a href="http://www.bma.ch">www.bma.ch</a> for protocols and general information.
<b>Immunogen:</b>	Synthetic peptide H-Hys-Ala-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Glu-Gly-Gln-Ala-Ala-Lys-Glu-Phe-Ile-Ala-Trp-Leu-Val-Lys-Gly-Arg-Gly-OH coupled to carrier protein.

**Cross-Reactivity:**

<b>PEPTIDE</b>	<b>%</b>
GLP-1 (7-37)	100
GLP-1 (1-37) (human)	100
GLP-1 (7-36) amide (human)	<0.1
GLP-2 (human)	0
Glucagon (1-29) (human, bovine, porcine)	0
Insulin (human)	0
Secretin (porcine)	0
GIP (human)	0
VIP (human, bovine, porcine, rat)	0
GRF (1-44) (human)	0

Related Products:           T-4362: rabbit anti GLP-1 (7-37), purified IgG  
                                  T-4363: rabbit anti GLP-1 (7-37), neat antiserum

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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-4361

diluted antiserum

21.12.2020