



BMA BIOMEDICALS



Peninsula Laboratories

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## T-4359

### **Rabbit anti Glucagon (1-29) (human, porcine, rat) ELISA [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.

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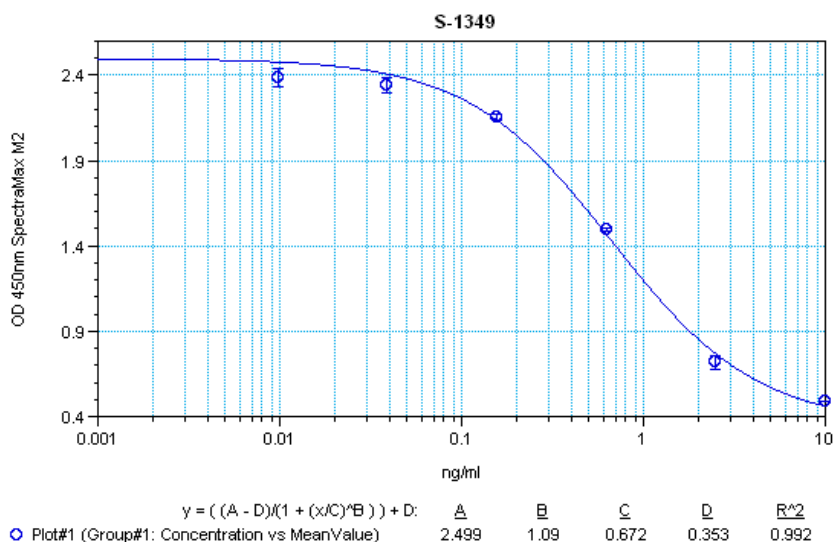
#### **TECHNICAL AND ANALYTICAL CHARACTERISTICS**

<b>Lot number:</b>	n/a
<b>Host species:</b>	Rabbit IgG
<b>Quantity:</b>	50µl
<b>Format:</b>	Neat undiluted antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 50µl distilled water. This will give the equivalent of undiluted antiserum.
<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 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 <a href="http://www.bma.ch">www.bma.ch</a> for protocols and general information.
<b>Immunogen:</b>	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, porcine, rat)	100
Insulin (human)	0
Somatostatin-14	0
$\alpha$ -CGRP (human)	0
Amylin (human)	0
Amylin (free acid) (rat)	0
Pancreatic Polypeptide (human)	0
Glucagon (19-29) (human)	0
Glucagon-like Peptide I (GLP-I) (human)	0
GLP-2 (human)	0
Proinsulin (human)	0

Typical titration curve of Glucagon (1-29) in a competitive ELISA with this antibody:



Related Products: S-1349: ELISA, extraction-free for human samples  
T-4358: anti Glucagon (1-29) (hu), purified IgG  
T-4357: anti Glucagon (1-29) (hu), diluted antiserum  
S-1211: ELISA, high sensitivity for extracted samples

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This product contains no 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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6.10.2020

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