

Guinea Pig Glargine Insulin Polyclonal Antibody

Anti-Glargine Insulin Polyclonal Antibody

CATALOG # AAA28808	HOST Guinea Pig	APPLICATIONS ELISA
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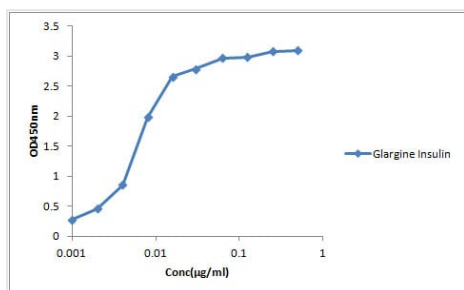
PRODUCT SYNONYMS

Glargine Insulin; Polyclonal Antibody; Anti-Glargine Insulin Polyclonal Antibody; Anti-Glargine Insulin polyclonal antibody; anti-Glargine Insulin antibody

PRODUCT SPECIFICATIONS

Host	Guinea Pig
Clonality	Polyclonal
Specificity	Guinea pig polyclonal antibody raised against Glargine Insulin.
Purity/Purification	This antibody is purified through an antigen affinity purification column, followed by dialysis against PBS.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Applicable Applications for anti-Glargine Insulin antibody	ELISA
Application Notes	Sandwich ELISA
Antigen Source	Insulin glargine, marketed under the names Lantus, among others, is a long-acting basal insulin analogue, given once daily to help control the blood sugar level of those with diabetes. Insulin glargine has a substitution of glycine for asparagine at N21 (Asn21) and two arginines added to the carboxy terminal of B chain. The arginine amino acids shift the isoelectric point from a pH of 5.4 to 6.7, making the molecule more soluble at an acidic pH and less soluble at physiological pH. The isoelectric shift also allows for the subcutaneous injection of a clear solution. The glycine substitution prevents deamidation of the acid-sensitive asparagine at acidic pH. In the neutral subcutaneous space, higher-order aggregates form, resulting in a slow, peakless dissolution and absorption of insulin from the site of injection. It can achieve a peakless level for at least 24 hours. Molecular formula: C ₂₆₇ H ₄₀₄ N ₇₂ O ₇₈ S ₆ Molecular weight: 6063
Preparation and Storage	Maintain refrigerated at 2-8 degrees C for up to 2 weeks. For long term storage store at -20 degrees C in small aliquots to prevent freeze-thaw cycles.

IMAGES



Sandwich ELISA

Plate was coated with Glargine Insulin at 1.25 ug/ml in PBS, and then incubated with Anti-Glargine Insulin polyclonal antibody from 0.001 ug/ml to 0.5 ug/ml. The secondary antibody, HRP conjugated goat anti-Guinea pig IgG, were used at 1:6000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-Glargine Insulin antibody	Purified Guinea pig polyclonal Antibody (Pab)
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/glargine-insulin-antibody-elisa/28808>