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Anti-Glargine Insulin polyclonal antibody

Purified Guinea pig polyclonal Antibody (Pab)
Catalog # AW5686

Product Information

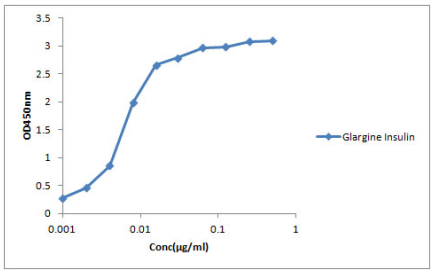
Application	E
Host	Guinea Pig
Clonality	Polyclonal
Antigen Source	Insulin glargine, marketed under the names Lantus, among others, is a long-acting basal insulin analogue, given once daily to help control the blood sugar level of those with diabetes. Insulin glargine has a substitution of glycine for 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: C267H404N72O78S6 Molecular weight:6063

Additional Information

Other Names	Anti-Glargine Insulin polyclonal antibody
Dilution	E~~N/A
Target/Specificity	Guinea pig polyclonal antibody raised against Glargine Insulin .
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Anti-Glargine Insulin polyclonal antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Images

Plate was coated with Glargine Insulin at 1.25 µg/ml in PBS, and then incubated with Anti-Glargine Insulin polyclonal antibody from 0.001 µg/ml to 0.5 µg/ml. The secondary antibody, HRP conjugated goat anti-Guinea pig



IgG, were used at 1:6000 dilution.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.