

Anti-Glargine Insulin polyclonal antibody
Purified Guinea pig polyclonal Antibody (Pab)
Catalog # AW5686**Specification**

Anti-Glargine Insulin polyclonal antibody - Product Information

| | |
|----------------|---|
| Application | sELISA,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: C ₂₆₇ H ₄₀₄ N ₇₂ O ₇₈ S ₆ Molecular weight:6063 |

Anti-Glargine Insulin polyclonal antibody - Additional Information**Other Names**

Anti-Glargine Insulin polyclonal antibody

Dilution

sELISA~~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 antigen affinity purification column, followed by dialysis against PBS.

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.

Anti-Glargine Insulin polyclonal antibody - Protein Information**Anti-Glargine Insulin polyclonal antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

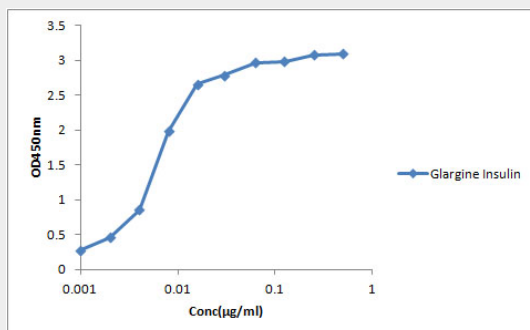
Anti-Glargine Insulin polyclonal antibody - Images

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.