

Antibody Datasheet

Name: Goat Anti-Staphylococcus Aureus Antibody

Product Code: 5310-0314

Batch #:

Date of Manufacture:

Product Description: Affinity purified polyclonal antibody to *S. aureus* bacteria. Antibody was isolated from a serum pool of goats immunized with heat-killed whole cells of *S. aureus*. Each lot is tested to assure specificity and lot-to-lot consistency using in-house ELISA assays.

Amount: 1.0 mg

Presentation: Lyophilized

Rehydration: Two methods for rehydration and storage are recommended to meet most needs. Procedure A, using 50% glycerol, is preferred. It eliminates freezing at -20 °C and is an effective biological inhibitor. At a working dilution, the level of glycerol is too small to affect most assays.

Procedure A: 50% Glycerol Solution

- Preparation: Rehydrate with 1 mL of 50% glycerol.
- Rehydration: Transfer 1 mL of the 50% glycerol solution to the product vial. Rotate the vial until the lyophilized pellet is totally dissolved. Antibody concentration will then be 1.0 mg/mL.
- Storage: The rehydrated product is stable for a minimum of 1 year at 2-8°C.

Procedure B: Acetic Acid/Bi-Carbonate Solution

- Preparation: Prepare immediately before use: 0.01M Acetic Acid Solution: Mix 25 µL of glacial acetic acid and 40 mL reagent quality water.
- 0.177M Carbonate-Bicarbonate Solution: Dissolve 1.09 g of Na₂CO₃ and 0.63 g of NaHCO₃ in 100 mL reagent quality water.
- Rehydration: Add 0.1 mL of 0.01M acetic acid solution to the antibody. Rotate vial until totally dissolved. Add 0.1 mL of the carbonate-bicarbonate solution and rapidly mix to obtain a clear or opalescent solution. Heat at 37 °C for 30 minutes and allow to slowly cool to room temperature. Final concentration is 5.0 mg/mL.
- Storage: This product may be stored for up to one week at 2-8°C; thereafter, it should be stored at -20°C. At -20°C, product is stable for a minimum of 1 year.

Stabilizer: No stabilizers added.

Preservative: No preservatives added. Non-sterile.



Immunogen: Heat-killed whole *S. aureus* cells

Purification: Affinity purified

Specificity: This product is designed to react specifically with *Staphylococcus aureus*. Product is tested via ELISA techniques as applicable. Minimal cross-reactivity may exist to other similar species.

Application Notes: Optimal working concentrations should be determined experimentally. Prepare working concentration in PBS or other buffer immediately before use. Dilution is not recommended for long-term storage. Suggested concentrations are listed below. In many cases, the antibody may be used at lower concentrations than indicated:

Capture Antibody: 10 µg/mL

Primary Antibody: 1-2 µg/mL

Usage Guidelines

Short Term Storage: +4°C

Long Term Storage: +4°C

Storage Guidelines: Store +4°C until rehydrated. Stable for a minimum of 1 year when stored at +4°C. Avoid multiple freeze-thaw cycles

X

QC

X

QA

Products are for Research Use or for Further Manufacturing Use only. Not for Diagnostic or Therapeutic Use.

