

Heterophile Blocking Antibody (TBS10198)

Catalog	Unit Size
TBS10198-10MG	10 MG
TBS10198-50MG	50 MG
TBS10198-100MG	100 MG

Description

Heterophile Blocking Antibody is a specialized reagent designed to reduce the interference caused by heterophile antibodies in immunoassays, particularly in diagnostic tests. Heterophile antibodies are non-specific antibodies that can cross-react with animal-derived proteins in assays, leading to false-positive results. This blocking antibody specifically targets and neutralizes heterophile antibodies, improving the accuracy and reliability of assay results, particularly in immunoassays that rely on animal-derived reagents.

Application

Used in immunoassays, particularly enzyme-linked immunosorbent assays (ELISA), radioimmunoassay (RIA), and chemiluminescence immunoassays (CLIA). Effective in blocking interference from heterophile antibodies in both human and animal sample types. Utilized to enhance the specificity and sensitivity of diagnostic tests that may be impacted by heterophile antibodies.

Main Features

- **High specificity:** Blocks heterophile antibodies and nonspecific interactions without affecting assay performance.
- **Broad applicability:** Suitable for various immunoassays (ELISA, RIA, CLIA).
- **Quick and easy to use:** Integrates seamlessly into standard lab procedures.
- **Reliable performance:** Reduces false positives for more accurate results.
- **Stable and effective:** Maintains performance across diverse storage and assay conditions.
- **Nonspecific binding blocker:** Effectively inhibits nonspecific reactions, improving assay clarity and reliability.

Package Size

10 MG, 50 MG, 100 MG

Storage

Store short-term at 4°C and long-term at -20°C. Avoid repeated freeze-thaw cycles.

Directions for Use

- **Preparation:** Thaw and mix the antibody gently to ensure uniformity.
- **Dilution:** Dilute to a working concentration of **5–200 µg/mL**, depending on assay requirements.
- **Addition:** Add the recommended volume to the assay, optimizing concentration as per protocol.
- **Incubation:** Incubate for **15 minutes to 1 hour**, based on the specific assay protocol.
- **Proceed:** Continue with standard assay steps (e.g., washing, detection).

Relative Products

Heterophile Blocking Antibody (TBS10198)

Universal Block Buffer (TBS5013)

10% BSA Blocking PBS Solution, Sterile (TBS5087)

This product is for research use only.