

PRODUCT DESCRIPTION

Fluorescein (FITC)-conjugated AffiniPure goat anti-mouse IgM, μ chain specific was isolated from antisera. This antibody has minimal cross-reactivity to normal mouse IgG, human, bovine and horse serum proteins, but may react with IgM from other species.

SPECIFICITY

This antibody reacts with the heavy chain region of mouse IgM but not with IgG or the light chains of mouse immunoglobulins. No antibody was detected against non-immunoglobulin serum proteins.

ISOTYPE

IgM fraction of goat antiserum.

IMMUNOGEN

Fluorescein (FITC)-conjugated goat anti-mouse antibody was purified from antisera by immunoaffinity chromatography using antigens coupled to agarose beads.

FORMAT

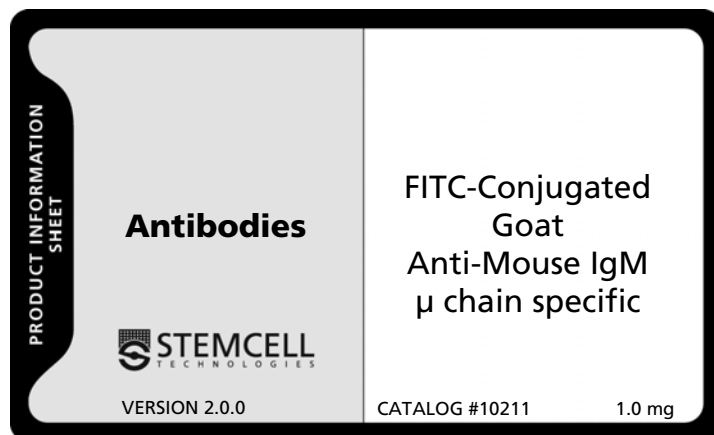
1.0 mg of lyophilized powder with 0.01 M sodium phosphate, 0.25M NaCl, 15 mg/mL BSA (IgG-free, protease-free), and 0.05% sodium azide.

Hazardous Ingredient: Sodium Azide. Avoid exposure to skin and eyes, ingestion and contact with heat, acids and metals. Wash exposed skin with soap and water. Flush eyes with water. Dilute with running water before discharging into plumbing.

STABILITY AND STORAGE

Store freeze-dried powder at 2 - 8°C. When ready to use, rehydrate with 0.75 mL of distilled water to reach a concentration of 1.5 mg/mL. Centrifuge if not clear. Product is stable for 6 weeks at 2 - 8°C at that concentration. For extended storage after rehydration, add an equal volume of glycerol (GAS grade or better) for a final concentration of 50%, and store at -20°C as a liquid. Repeated freezing and thawing is not recommended. Under these conditions, the product is stable for at least 1 year after reconstitution at -20°C.

Note: The addition of glycerol now reduces the final concentration of the antibody, proteins and buffer salts to $\frac{1}{2}$ of the original. Alternatively, aliquot and freeze the product at -70°C or below in the absence of glycerol. Avoid repeated freezing and thawing.



APPLICATIONS AND DIRECTIONS FOR USE

Centrifuge tube briefly before use to ensure recovery of entire contents.

Dilute with medium or phosphate buffered saline (PBS) containing appropriate blocking serum. The optimal working dilution should be determined for each specific application. Refer to NeuroCult® Procedure Manual (Catalog #28724) for further instructions on how to use this antibody.

Suggested dilution range: 1:50 - 1:200 for most applications.