

For Research Use Only. Not for use in diagnostic procedures.

PRODUCT

Fluorescein (DTAF)-conjugated AffiniPure Goat Anti-Mouse IgG + IgM (H+L) (minimal cross-reaction to Human, Bovine, and Horse Serum Proteins)

ANTIBODY SPECIFICITY

Based on immunoelectrophoresis, the antibody reacts with the heavy chains on mouse IgG and IgM and with light chains common to most mouse immunoglobulins. No antibody was detected against non-immunoglobulin serum proteins. This antibody has been tested by ELISA and/or solid-phase adsorbed to ensure minimal cross-reaction with human, bovine, and horse serum proteins, but the antibody may cross-react with immunoglobulins from other species.

PURITY

The antibody was isolated from antisera by immunoaffinity chromatography using antigens coupled to agarose beads.

FORMAT

Freeze-dried powder

SIZE

1.5 mg (This product has been overfilled by at least 10% to ensure total recovery of stated quantity.)

PRODUCT CONCENTRATION

1.5 mg/mL

BUFFER AND STABILIZER

0.01 M Sodium Phosphate, 0.25 M NaCl, pH 7.6, containing 15 mg/ml Bovine Serum Albumin

PRESERVATIVE

0.05% Sodium Azide (NaN₃)

(Note: Due to tightened regulations in many countries and states, thimerosal, a mercury-containing preservative, will no longer be included in our products. Please follow our recommendations for storage to avoid microbial contamination.)

FLUOROCHROME

Type: Dichlorotriazinyl Amino Fluorescein (DTAF)

Fluorochrome/Protein: 13.9 µg/mg; 3.9 moles DTAF per mole IgG

Absorption maximum: 492 nm

Emission maximum: 520 nm

RECONSTITUTION AND STORAGE

Store freeze-dried product at 2–8°C until reconstitution. When ready to use, reconstitute with 1.1 mL distilled water.

Centrifuge product if the solution is not clear after reconstitution. To judge clarity, draw product into a clean Pasteur pipette. Product is stable for about 6 weeks at 2–8°C as an undiluted liquid. Storing the product for more than one day at final working dilutions is not recommended. For extended storage as a liquid, add an equal volume of glycerol (ACS or better grade) for a final concentration of 50% followed by storage at –20°C. Please note that the concentration of protein and buffer salts will be one-half of the original after the addition of glycerol.

SUGGESTED DILUTION RANGE

1:50 - 1:200 for most applications

EXPIRATION DATE

One year from date of reconstitution

STATEMENT OF WARNINGS

1. For research use only. Not for use in diagnostic procedures.
2. This reagent contains 0.05% sodium azide. Sodium azide under acidic conditions yields hydrazoic acid, an extremely toxic compound. Azide compounds should be flushed with running water while being discarded. These precautions are recommended to avoid deposits in metal piping in which explosive conditions can develop. If skin or eye contact occurs, wash excessively with water.
3. Specimens, samples and all material coming in contact with them should be handled as if capable of transmitting infection and disposed of with proper precautions.
4. Never pipet by mouth and avoid contact of samples with skin and mucous membranes.
5. Do not use this reagent beyond the expiration date and after dilution no more than one day.
6. Do not expose this reagent to strong light during storage or incubation.
7. Avoid microbial contamination of reagents or incorrect results might occur.

Manufactured for:

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