

Datasheet for ABIN458293

Goat anti-Monkey IgA, IgG, IgM (Fc Region) Antibody (FITC) - Preadsorbed



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Overview

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|----------------------|-------------------------|
| Quantity: | 1 mL |
| Target: | IgA, IgG, IgM |
| Binding Specificity: | Fc Region |
| Reactivity: | Monkey |
| Host: | Goat |
| Clonality: | Polyclonal |
| Conjugate: | FITC |
| Application: | Immunofluorescence (IF) |

Product Details

| | |
|------------------|---|
| Immunogen: | Purified polyclonal monkey IgG, and IgA and IgM containing factions isolated from monkey serum. Freund's complete adjuvant is used in the first step of the immunization procedure. |
| Isotype: | IgG |
| Specificity: | The reactivity of the antiserum is directed to the Fc subunits of the major isotypes of the monkey immuno- globulin system. No reaction is obtained with purified IgG/Fab or any non-Ig protein of monkey serum, as tested by immunoelectrophoresis and double radial immunodiffusion. In immunoelectrophoresis and double radial immunodiffusion using various antiserum concentrations against normal monkey plasma and serum, the characteristic IgG, IgA and IgM precipitin lines are obtained. |
| Characteristics: | Fluorescein isothiocyanate-conjugated IgG fraction of polyclonal goat antiserum to monkey IgG, IgA and IgM, Fc specific |

Product Details

Fluorochrome/IgG protein molar ratio (F/P) is approximately 1.7.

Purification: Preadsorption: Immunoaffinity adsorbed using insolubilized Ig-depleted human serum fractions and IgG/Fab.

Target Details

Target: IgA, IgG, IgM

Alternative Name: IgG + IgA + IgM (IgA, IgG, IgM Products)

Target Type: Antibody

Application Details

Application Notes: Direct immunofluorescence staining of cytoplasmic Ig of appropriately treated cell and tissue substrates, to demonstrate immunoglobulins or specific antibodies in cells and tissues, to identify circulating antibodies in serodiagnostic microbiology and autoimmune diseases, to identify a specific antigen or immune complex using a reference antibody of monkey origin in the middle layer of the indirect test procedure. The absence of activity to the common Ig/Fab subunit prevents the reaction of this conjugate with immunoglobulins binds to Fc receptors on non-lymphoid cells. This immunoconjugate is not pre-diluted.

The optimum working dilution of each conjugate should be established by titration before being used. Excess labelled antibody must be avoided because it may cause high unspecific background staining and interfere with the specific signal. Working dilutions are usually between 1:20 and 1:120.

Comment: Excitation/Emission wavelength: 494 nm/514 nm

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: It is reconstituted by adding 1 mL sterile distilled water. Spun down to remove insoluble particles, divided into small aliquots, frozen and stored at or below -24 °C.

Concentration: 10 mg/mL

Buffer: FITC-coupled purified hyperimmune goat IgG lyophilized from a solution in phosphate buffered saline (PBS, pH 7.2).

Handling

Preservative: Without preservative

Handling Advice: Prior to use, an aliquot is thawed slowly in the dark at ambient temperature, spun down again and used to prepare working dilutions by adding sterile phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. Working dilutions should be stored at +4 °C, not refrozen, and preferably used the same day. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance of the immunoconjugate.

Storage: 4 °C/-20 °C

Storage Comment: The lyophilized conjugate is shipped at ambient temperature and may be stored at +4 °C, prolonged storage at or below -24 °C.