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Polyclonal Antibody to Human IgM (Fc5mu) -FITC-

Alternate names: Human Immunoglobulin M

Catalog No.: R1341F

Quantity: 1.5 mg

Concentration: 1.5 mg/ml (by UV absorbance at 280 nm)

Host: Rabbit

Immunogen: Human IgM (Fc5µ) fragment

Format:
State: Lyophilized purified Ig fraction
Purification: Immunoaffinity chromatography
Buffer System: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 with 10 mg/ml Bovine Serum Albumin (BSA, IgG and Protease free) as stabilizer and 0.01% (w/v) Sodium Azide as preservative.
Label: FITC – Fluorescein isothiocyanate (Molecular Weight 390 daltons)
Absorption / Emission: 495 nm Emission Wavelength: 528 nm
Molar Ratio: 4.9 moles FITC per mole of Rabbit IgG
Reconstitution: Restore with 1.0 ml of deionized water (or equivalent).

Applications: Suitable for Immunomicroscopy (1/500-1/2,500) and Flow cytometry (1/2,000-1/10,000) or FACS analysis as well as other antibody based fluorescent assays requiring lot-to-lot consistency.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This product was prepared from monospecific antiserum by immunoaffinity chromatography using Human IgM coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities.
Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Fluorescein, anti-Rabbit Serum, Human IgM and Human Serum.
No reaction was observed against Human IgG or Human IgA.
Specificity was confirmed by ELISA at less than 1% cross reactivity against other human heavy or light chain isotypes.

Storage: Store vial at 2-8°C prior to restoration. For extended storage add glycerol to 50% and then aliquot contents and freeze at -20°C or below. Centrifuge product if not completely clear after standing at room temperature.
This antibody is stable for one month at 2-8°C as an undiluted liquid.
Dilute only prior to immediate use.
Avoid repeated freezing and thawing.
Shelf life: One year from despatch.

General References: Conjugation: The and Feltkamp, Immunology 18; 865, 1970.