BOSTER
Antibody and ELISA Experts

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FITC Conjugated Goat Anti-human IgM

Catalog No. BA1116-0.5

Size 0.5 ml

Ig Type IgM

Immunogen
Human IgM (whole molecular).

Form
Concentrated, Liquid

Concentration
1 mg/ml

Storage
At 4℃ for one year.

Applications
Flowcytometry (FCM)
Immunocytochemistry (ICC)
Immunohistochemistry (IHC)

Product Description
This antibody is purified from antiserum by immunoaffinity chromatography which removes essentially all goat serum proteins, except the specific antibody for human IgM.

Host Goat

Clone Polyclonal

Contents
0.5 mg of FITC conjugated specific antibody (purity is above 99%), FITC : Ab = 4-6 : 1, 0.01M PBS, 0.01% Thimerosal, 50% glycerol. The emission and filtration wavelength of FITC are 495 nm and 525 nm respectively.

Specificity
This FITC conjugated antibody is specific for human IgM and shows no cross-reactivity with human IgA/IgG.

Labeling Method
Goat anti-human IgM is conjugated to FITC by means of a method described by Hijmans,W.,et al.
(**Reference**: Hijmans,W.,et al. Clin.Exp.Immunol.,4, 457(1969))

Preparation of Diluent Buffer
Add reagent grade BSA into 0.01 M PBS (PH7.2-7.6) or TBS buffer and make BSA at a concentration of 1%. Use the above diluent buffer to dilute. See “Recommended Dilutions” below for details.

Preparation of 0.01M **TBS:** Add 1.2g Tris, 8.5g NaCl; 450μl of purified acetic acid or 700μl of concentrated hydrochloric acid to 1000ml H_2O and adjust pH to 7.2-7.6. Finally, adjust the total volume to 1L.

Preparation of 0.01M **PBS:** Add 8.5g sodium chloride, 1.4g Na_2HPO_4 and 0.2g NaH_2PO_4 to 1000ml distilled water and adjust pH to 7.2-7.6. Finally, adjust the total volume to 1L.

Application

	Concentration
Flowcytometry	10μg/ml
Immunohistochemistry(Paraffin-embedded Section)	15.6-31.3μg/ml
Immunohistochemistry(Frozen Section)	15.6-31.3μg/ml
Immunocytochemistry	15.6-31.3μg/ml

Optimal working dilutions must be determined by end users.