

Peroxidase Conjugated Goat Anti-human IgM

Catalog No. BA1077-0.5

Size 0.5 ml

Ig Type IgM

Immunogen

Human IgM (whole molecular).

Form

Concentrated, Liquid

Concentration

1 mg/ml

Storage

At 4°C for one year.

Applications

Dot blot

Western Blot (WB)

ELISA

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 peroxidase conjugated specific antibody, 0.01 M PBS (pH7.4), 50% glycerol.

Specificity

This peroxidase 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 peroxidase by means of a method described by Wilson MB and Nakane PK.

(**Reference:** Wilson MB and Nakane PK. In Immunofluorescence and Related Staining Techniques, Elsevier/North Holland Biomedical Press, Amsterdam, P215 (1978).)

Preparation of Diluent Buffer

Use 0.01M TBS or 0.01M PBS 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 H₂O and adjust pH to 7.2-7.6. Finally, adjust the total volume to 1L.

Preparation of 0.01 M PBS: Add 8.5g sodium chloride, 1.4g Na₂HPO₄ and 0.2g NaH₂PO₄ to 1000ml distilled water and adjust pH to 7.2-7.6. Finally, adjust the total volume to 1L.

Application

	Concentration
Dot blot(ECM)	0.25-0.5µg/ml
Western blot(DAB)	1-3.3µg/ml
Western blot(ECM)	0.25-0.5µg/ml
ELISA	0.1-0.2µg/ml

Optimal working dilutions must be determined by end users.