



## Product Information Sheet

### Peroxidase Conjugated Goat Anti-human IgM ( $\mu$ -chain specific)

**Catalog No.** BA1077-0.5

**Fax: (650) 964-2519**

**Size** 0.5 mg

**email: Info@antageneinc.com**

**Ig Type** IgM

#### **Purification**

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

#### **Immunogen**

Human IgM (whole molecular).

**Raised in** Goat

#### **Storage**

Store at 4°C for frequent use; at -20°C for at least one year.

**Clonality** Polyclonal

Avoid multiple freeze-thaw cycles.

#### **Contents**

0.5 mg of peroxidase conjugated specific antibody; 0.01M PBS (pH7.4); 1% BSA.

#### **Expiration**

One year from the day of shipment.

#### **Specificity**

This peroxidase conjugated antibody is specific for human IgM and shows no cross-reactivity with human IgA, IgG and other animal species IgM proteins.

#### **Applications**

Dot blot;

Western blot (WB);

Direct ELISA

#### **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; 450 $\mu$ l of purified acetic acid or 700 $\mu$ l of concentrated hydrochloric acid to 1000ml H<sub>2</sub>O 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 Na<sub>2</sub>HPO<sub>4</sub> and 0.2g NaH<sub>2</sub>PO<sub>4</sub> to 1000ml distilled water and adjust pH to 7.2-7.6. Finally, adjust the total volume to 1L.

#### **Recommended Dilutions**

Dot blot (Enhanced chemiluminescent coloration) 1:2000-4000

WB (DAB coloration) 1:300-1000

WB (Enhanced chemiluminescent coloration) 1:2000-4000

Direct ELISA (TMB coloration) 1:20000-40000

*Optimal working dilutions must be determined by end user.*

**To reorder contact us at:**  
**Antagene, Inc.**  
**Toll Free: 1(866)964-2589**  
**Tel: (650) 964-2589**

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