



Product Information Sheet

Peroxidase Conjugated Rabbit Anti-human IgG (γ-chain specific)

Catalog No. BA1070-1

Size 1 mg

Ig Type IgG

Immunogen

Human IgG (whole molecular).

Storage

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

Avoid multiple freeze-thaw cycles.

Expiration

One year from the day of shipment.

Applications

Dot blot;

Western blot (WB);

Direct ELISA

Purification

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

Raised in Rabbit **Clonality** Polyclonal

Clonality Polyclonal

Contents

1 mg of peroxidase conjugated specific antibody; 0.01M PBS (pH7.4); 0.1% BSA.

Specificity

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

Labeling Method

Rabbit anti-human IgG 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.

Recommended Dilutions

Dot blot (Enhanced chemiluminescent coloration)	1:2000-4000
WB (DAB coloration)	1:500-3000
WB (Enhanced chemiluminescent coloration)	1:3000-10000
Direct ELISA (TMB coloration)	1:20000-40000

Optimal working dilutions must be determined by end user.

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