

## Product datasheet for **AP32992HR-N**

### Mouse IgM (Fc specific) Rabbit Polyclonal Antibody

#### Product data:

Product Type: Secondary Antibodies

Product Name: Mouse IgM (Fc specific) Rabbit Polyclonal Antibody

Applications: ELISA, ID, IF, IHC, IP, WB

Recommended Dilution: **ELISA.**

**Dot blot.**

**Immunoblotting.**

**Immunocytochemistry.**

**Immunohistochemistry on Paraffin Sections.**

In enzyme-immunocytochemical and immunohistochemical staining for the detection of IgM at the cellular and subcellular level by staining of appropriately treated cell and tissue substrates; to demonstrate circulating IgM antibodies in serodiagnostic microbiology and autoimmune diseases; to identify a specific antigen using a reference antibody of mouse origin known to be of the IgM isotype in the middle layer of the indirect test procedure; in non-isotopic assay methodology (e.g. ELISA) to measure IgM in mouse serum or other body fluids. This immunoconjugate is not pre-diluted. The optimum working dilution of each conjugate should be established by titration before being used. Excess labelled antibody must be avoided because it may cause high unspecific background staining and interfere with the specific signal.

*Recommended Working Dilutions*

Histochemical and cytochemical Use: 1/100- 1/500.

ELISA and comparable non-precipitating antibody-binding assays: 1/1,000- 1/5,000.

Reactivity: Mouse

Host: Rabbit

Immunogen: Purified homogenous IgM isolated from Mouse serum. Immunization with intact and split IgM.

Freund's complete adjuvant is used in the first step of the immunization procedure.

Isotype: IgG



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<b>Formulation:</b>	PBS, pH 7.2 Label: HRP State: Lyophilized hyperimmune IgG fraction Stabilizer: None Preservative: None, as it may interfere with the antibody activity. Label: Horseradish peroxidase enriched for isoenzyme C (RZ=3.2) Molar ratio: Enzyme/IgG protein (E/P) ~ 1.5
<b>Reconstitution Method:</b>	Restore with 1 ml sterile distilled water.
<b>Concentration:</b>	10.0 mg/ml
<b>Purification:</b>	Hyperimmune antisera with strong precipitating activity are selected for fractionation by salt precipitation and purification of the IgG fraction by DEAE Chromatography
<b>Conjugation:</b>	HRP
<b>Storage:</b>	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
<b>Note:</b>	<b>Adsorption:</b> Immunoaffinity adsorbed using insolubilized antigens as required to eliminate antibodies cross-reacting with other components of the immunoglobulin system or reacting with other serum proteins. Special attention is given to the removal of antibodies to common Ig/Fab. The use of insolubilized adsorption antigens prevents the presence of excess adsorbent protein or immune complexes in the antiserum. <b>Conjugation procedure:</b> Conjugation is carried out using a proprietary modification of the periodate technique for the binding to peroxidase, followed by several purification steps. After each step activity and specificity are tested in a variety of techniques. The conjugate is lyophilized to assure stability and long shelf life.