

## Product datasheet for **AP31543TC-N**

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

#### Product data:

**Product Type:** Secondary Antibodies

**Product Name:** Mouse IgM (Fc specific) Goat Polyclonal Antibody

**Applications:** ID, IF, IHC, IP

**Recommended Dilution:** Direct immunofluorescence staining of cytoplasmic Ig of appropriately treated cell and tissue substrates; to demonstrate immunoglobulins or specific antibodies in cells and tissues; to identify circulating antibodies in serodiagnostic microbiology and autoimmune diseases. 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.

Working dilutions are usually between 1/10 and 1/80.

**Reactivity:** Mouse

**Host:** Goat

**Immunogen:** Purified pools of homogenous IgM isolated from mouse serum. Freund's complete adjuvant is used in the first step of the immunization procedure.

**Isotype:** IgG



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<b>Formulation:</b>	<p>PBS, pH 7.2</p> <p>No preservative added, as it may interfere with the antibody activity. No foreign proteins added.</p> <p>Label: TRITC</p> <p>State: Lyophilised hyperimmune Ig fraction</p> <p>Label: Tetramethylrhodamine isothiocyanate isomer R. <b>Fluorescent marker:</b> To avoid nonspecific background staining, specially synthesized and exceptionally pure crystalline isomer R has been used instead of the usual racemic mixture. Although its fluorescence efficiency is less than of FITC, conjugates have the advantage of significantly less photo bleaching. This facilitates their use in quantitative cell-counting procedures. <b>Conjugation procedure:</b> A proprietary technique for the binding to is used, followed by several purification steps to remove free reactants and protein aggregates. After each step activity and specificity are tested in a variety of techniques. The conjugate is lyophilized to assure stability and long shelf life</p> <p>Absorption emission: 554 nm / 573 nm</p> <p>Molar ratio: 1,1</p>
<b>Reconstitution Method:</b>	Restore with 1 ml sterile distilled water
<b>Concentration:</b>	10 mg/ml
<b>Purification:</b>	DEAE-column Chromatography
<b>Conjugation:</b>	TRITC
<b>Storage:</b>	<p>Prior to reconstitution store at 2-8°C.</p> <p>Following reconstitution store undiluted at 2-8°C for one week or (in aliquots) at -20°C for longer.</p> <p>Avoid repeated freezing and thawing.</p>
<b>Note:</b>	<p><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.</p>