

Product datasheet for **AP21482TC-N**

Mouse IgE (Fc specific) Goat Polyclonal Antibody

Product data:

Product Type: Secondary Antibodies

Product Name: Mouse IgE (Fc specific) Goat Polyclonal Antibody

Applications: ID, IF, IHC, IP

Recommended Dilution: Can be used in Immunocytochemical and Immunohistochemical staining for the detection of IgE at the cellular and subcellular level by staining of appropriately treated cell and tissue substrates; to identify and measure IgE 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: 1/20 - 1/60, depending on the method used.

Reactivity: Mouse

Host: Goat

Immunogen: Pools of purified homogenous IgE isolated from mouse serum. Freund's complete adjuvant is used in the first step of the immunization procedure.

Isotype: IgG



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Formulation:	<p>PBS, pH 7.2 without preservatives or foreign proteins Label: TRITC State: Lyophilized purified Ig fraction Label: Tetramethylrhodamine Isothiocyanate <u>Fluorescent marker:</u> Tetramethylrhodamine isothiocyanate isomer R. It has an orange-red fluorescence. 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. <u>Conjugation procedure:</u> A proprietary technique for the binding of 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 <i>Absorption emission:</i> 554 nm / 573 nm <i>Molar radio:</i> Fluorochrome/IgG ~1.6</p>
Reconstitution Method:	<p>Restore by adding 1 ml sterile distilled water, spun down to remove insoluble particles, divided into small aliquots</p>
Concentration:	<p>N/A</p>
Purification:	<p>Hyperimmune antisera with strong precipitating activity are selected for fractionation and purification of the IgG (7S) fraction containing the bulk of the defined antibody specificity. It is free of other serum proteins as tested by immunoelectrophoresis.</p>
Conjugation:	<p>TRITC</p>
Storage:	<p>Prior to and following reconstitution store the antibody at 2-8°C for one month or at -20°C for longer. Avoid repeated freezing and thawing.</p>
Note:	<p><u>Adsorption:</u> 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>