

AP33087TC-N**Polyclonal Antibody to Porcine IgG (H+L chain) - TRITC****Alternate names:**

Pig IgG, Pig Immunoglobulin G

Quantity:

2 ml

Concentration:

10.0 mg/ml

Host / Isotype:

Rabbit / IgG

Immunogen:Purified normal IgG isolated from pooled Swine serum.
Freund's complete adjuvant is used in the first step of the immunization procedure.**Format:****State:** Lyophilized purified hyperimmune IgG fraction
Purification: Hyperimmune antisera with strong activity are selected for fractionation by salt precipitation and purification of the IgG fraction by DEAE-chromatography.
Buffer System: PBS, pH 7.2
Preservatives: None, as it may interfere with the antibody activity.
Stabilizers: None
Label: TRITC – Tetramethylrhodamine isothiocyanate isomer R
Absorption / Emission: 554 nm / 573 nm
Reconstitution: Restore with 2 ml sterile distilled water.**Applications:****ELISA.****Immunocytochemistry.****Immunofluorescence.****Immunohistochemistry Frozen Sections.**

Can be used to identify and measure IgG, antigen or antibody, at the cellular and subcellular level by immunofluorescence staining of appropriately treated cell and tissue substrates. If two Nordic immunoconjugates with different labels but originating from the same host animal species are used for direct two-colour staining, they can safely be mixed and used in a single step, without the danger of interaction between the two reagents. 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: 1/20-1/80.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:	<p>The reactivity of the antiserum is directed to the Fc and Fab subunits of the IgG molecule. It includes a certain degree of reactivity with other immunoglobulins via the common Fab portion. It does not react with any non-Ig protein in swine serum, as tested by immunoelectrophoresis and double radial immunodiffusion.</p> <p>Cross-reactivity: Inter-species cross-reactivity is a normal feature of antibodies to immunoglobulins, since Ig of different species frequently share antigenic determinants. Cross-reactivity of this antiserum has been tested in double radial immunodiffusion with the following results: Bovine: +, Cat: +, Chicken: -, Dog: +, Duck: -, Goat: +, Guinea pig: +, Human: +, Horse: +, Mouse: +, Monkey: +, Pigeon: -, Rat: +, Sheep: +, Turkey: -.</p> <p>A negative cross-reaction in double radial immunodiffusion does not exclude some reaction in more sensitive assays.</p> <p>Species: Pig. Other species not tested.</p>
Add. Information:	<p>Adsorption: Not required.</p> <p>Fluorescent Marker: Tetramethylrhodamine isothiocyanate isomer R 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, TRITC conjugates have the advantage of significantly less photo bleaching. This facilitates their use in quantitative cell-counting procedures.</p> <p>Conjugation procedure: A proprietary technique for the binding to TRITC 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>
Storage:	<p>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. Shelf life: one year from despatch.</p>