**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for AP31437TC-N

## Monkey IgA (Fc specific) Goat Polyclonal Antibody

### Product data:

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| **Product Type:** | Secondary Antibodies |
| **Product Name:** | Monkey IgA (Fc specific) Goat Polyclonal Antibody |
| **Applications:** | ELISA, ID, IF, IHC, IP |
| **Recommended Dilution:** | Can be used for 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. Antisera to IgA do not discriminate between serum IgA (monomeric and dimeric) and higher molecular forms such as secretory IgA. 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.<br>Working dilutions are usually between 1/10 and 1/30. |
| **Reactivity:** | Monkey |
| **Host:** | Goat |
| **Immunogen:** | Purified polyclonal IgA isolated from pooled Rhesus monkey serum. Freund's complete adjuvant is used in the first step of the immunization procedure. |
| **Isotype:** | IgG |

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| **Formulation:** | PBS, pH 7.2<br>No preservative added, as it may interfere with the antibody activity. No foreign proteins added.<br>Label: TRITC<br>State: Lyophilised hyperimmune Ig fraction<br>Label: Tetramethylrhodamine isothiocyanate isomer R. **Fluorescent marker:** 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. **Conjugation procedure:** 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<br>Absorption emission: 554 nm / 573 nm<br>Molar radio: 1,3 |
| **Reconstitution Method:** | Restore with 1 ml sterile distilled water |
| **Concentration:** | 10 mg/ml |
| **Purification:** | DEAE-column Chromatography |
| **Conjugation:** | TRITC |
| **Storage:** | Prior to reconstitution store at 2-8°C.<br>Following reconstitution store undiluted at 2-8°C for one week<br>or (in aliquots) at -20°C for longer.<br>Avoid repeated freezing and thawing. |
| **Note:** | **Adsorption:** 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. |