

**AP31438FC-N****Polyclonal Antibody to Monkey IgG (Fc specific) - FITC**

**Alternate names:** Monkey Immunoglobulin G  
**Quantity:** 1 ml  
**Concentration:** 10.0 mg/ml  
**Host / Isotype:** Goat / IgG  
**Immunogen:** Purified normal IgG isolated from pooled Rhesus Monkey serum. Freund's complete adjuvant is used in the first step of the immunization procedure.

**Format:** **State:** Lyophilised Hyperimmune Ig fraction  
**Purification:** DEAE-column Chromatography  
**Buffer System:** PBS, pH 7.2  
No preservative added, as it may interfere with the antibody activity.  
No foreign proteins added.  
**Label:** FITC – Fluorescein isothiocyanate isomer 1  
*Absorption / Emission:* 492nm / 515nm  
*Molar Ratio:* 2.2  
**Reconstitution:** Restore with 1 ml sterile distilled water

**Applications:** Can be used:

- In direct staining of cytoplasmic IgG in fixed Monkey cells and tissue substrates.
- To identify circulating IgG antibodies in serodiagnostic microbiology and autoimmune diseases.
- To identify a specific antigen or immune complex using a reference antibody of Monkey in the middle layer of the test procedure.

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 Dilution:*** 1/20-1/80.

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

- Specificity:** The reactivity of the antiserum is directed to the Fc subunit of the IgG molecule. In immunoelectrophoresis and double radial immunodiffusion, using various antiserum concentrations against normal monkey plasma and serum, a single characteristic precipitin line is obtained which shows a reaction of identity with the precipitin line obtained with purified IgG. No reaction is obtained with purified IgA, IgM and IgG/Fab fragments.
- Cross-reactivity:** Inter-species cross-reactivity is a normal feature of antibodies to immunoglobulins, since Ig of different species frequently share antigenic determinants.
- Precipitation reactions have been observed with IgG in serum of other old-world monkeys, including Cercopithecus, Cynomolgus and Baboon. The conjugate may also react with IgG of other species as has been observed for chimpanzee and man.
- Species:** Monkey.  
Other species not tested.
- Add. Information:** **Adsorption:** Immunoaffinity adsorbed using insolubilized antigens as required to eliminate antibodies reacting with other components of the immunoglobulin system or reacting with other serum proteins. The use of insolubilized adsorption antigens prevents the presence of foreign protein or immune complexes in the antiserum.
- Storage:** Prior to reconstitution store at 2-8°C.  
Following reconstitution store undiluted at 2-8°C for one week or (in aliquots) at -20°C for longer.  
Avoid repeated freezing and thawing.  
Shelf life: one year from despatch.
- Product Citations:** **Purchased from Acris:**
1. Choi HJ, Lee JJ, Kim DH, Kim MK, Lee HJ, Ko AY, et al. Blockade of CD40-CD154 Costimulatory Pathway Promotes Long-Term Survival of Full-Thickness Porcine Corneal Grafts in Nonhuman Primates: Clinically Applicable Xenocorneal Transplantation. *Am J Transplant.* 2015 Mar;15(3):628-41. doi: 10.1111/ajt.13057. Epub 2015 Feb 12. PubMed PMID: 25676390.
  2. Kim, J;Kim, DH;Choi, HJ;Lee, HJ;Kang, HJ;Park, CG;Hwang, ES;Kim, MK;Wee, WR;2017Anti-CD40 antibody-mediated costimulation blockade promotes long-term survival of deep-lamellar porcine corneal grafts in non-human primates. *Xenotransplantation* 2017, PubMed PMID: 28393447.