

Goat anti-Mouse IgG Fc Cross-Adsorbed Secondary Antibody, APC

Product Details	
Size	500 µL
Species Reactivity	Mouse
Host/Isotype	Goat / IgG
Class	Polyclonal
Type	Secondary Antibody
Conjugate	APC
Excitation/Emission Max	651/660 nm
Form	Lyophilized
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.6, with 15mg/mL BSA
Contains	0.05% sodium azide
Storage conditions	4° C
RRID	AB_429724

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	1:50 - 1:200	-
Immunocytochemistry (ICC/IF)	4 µg/mL	-
Flow Cytometry (Flow)	1:500	-
Immunoprecipitation (IP)	1:50 - 1:200	-

Product Specific Information

Concentration may vary slightly from lot-to-lot, see lot-specific datasheet for exact concentration.

Product # 31981 has been successfully used in Western blot, IF, ICC, IHC, IP and FACS applications.

Product # 31981 reacts with the heavy chains of mouse IgG subclasses 1, 2a, 2b, and 3a, but not with light chains common to most mouse immunoglobulins. This antibody does not react against mouse IgM, or against non-immunoglobulin serum proteins. The antibody has been tested by ELISA and/or solid-phase adsorbed to ensure minimal cross-reaction with human, bovine, and rabbit serum proteins. However, these antibodies may cross-react with immunoglobulins from other species.

Phycobiliprotein Concentration: 0.5 mg/mL (determined by absorption = 73 at 650 nm for a 1% solution

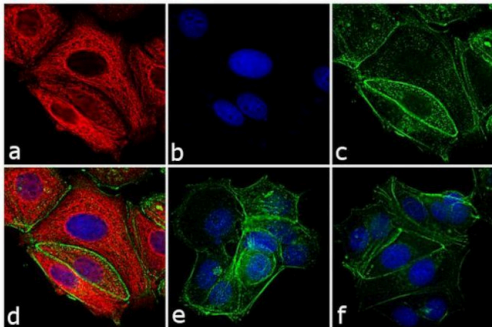
for only those APC molecules to which at least one molecule of active antibody is bound)

Allophycocyanin: Purified from *Spirulina platensis*

Store product protected from light at 4°C until opened. To extend the shelf-life of this product, add an equal volume of glycerol to make a final concentration of approximately 50% glycerol and store at -20°C. After dilution, do not use for more than one day. Do not freeze. Allophycocyanin Amax= 650 nm; Emax= 660 nm.

Reconstitute with 0.5 mL of distilled water (0.5 mg/mL after restoration).

Product Images For Goat anti-Mouse IgG Fc Cross-Adsorbed Secondary Antibody, APC



Mouse IgG Fc Cross-Adsorbed Secondary Antibody (31981) in ICC/IF
Immunofluorescence analysis of Goat anti-Mouse IgG Fc Cross Adsorbed Secondary Antibody, APC conjugate was performed using MCF-7 cells stained with Cytokeratin 19 (RCK108) Mouse Monoclonal Primary Antibody (Product # MA5-12613). The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, blocked with 1% BSA for 1 hour and labeled with Mouse primary antibody (1:250 dilution) for 3 hours at room temperature. Goat anti-Mouse IgG Fc Cross Adsorbed Secondary Antibody, APC conjugate (Product # 31981) was used at a concentration of 4µg /mL in phosphate buffered saline containing 0.2 % BSA for 45 minutes at room temperature, for detection of Cytokeratin 19 in the cytoplasm (Panel a: red). Nuclei (Panel b: blue) were stained with DAPI in SlowFade® Gold Antifade Mountant (Product # S36938). F-actin was stained with Alexa Fluor® 488 Phalloidin (Product # A12379, 1:300) (Panel c: green). Panel d represents the composite image. No nonspecific staining was observed with the secondary antibody alone (panel f), or with an isotype control (panel e). The images were captured at 60X magnification.

4 References

Reovirus infection of tumor cells reduces the expression of NKG2D ligands, leading to impaired NK-cell cytotoxicity and functionality. *Front Immunol* (2023)

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The assessment of correlation and prognosis among 18F-FDG uptake parameters, Glut1, pStat1 and pStat3 in surgically resected non-small cell lung cancer patients. *Oncotarget* (2018)

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