

# FITC-conjugated F(ab')<sub>2</sub> Fragment Goat anti-Rabbit IgG, Fc fragment specific

Catalog No.: AS083

## Basic Information

### Observed MW

### Calculated MW

### Category

Secondary antibody

### Applications

IF/ICC,FC

### Cross-Reactivity

### Conjugate

FITC. Ex:491nm. Em:516nm.

## Background

Secondary antibodies are affinity-purified antibodies which will work with target-specific primary antibody in the detection, sorting or purification of its specified target. Secondary antibodies offer increased versatility enabling users to use many detection systems (e.g. HRP, AP, fluorescence). They can also provide greater sensitivity through signal amplification as multiple secondary antibodies. Most commonly, secondary antibodies are generated by immunizing the host animal (different from host species of primary antibody) with a pooled population of normal immunoglobulins from the host species of primary antibody and can be further purified and modified (i.e. antibody fragmentation, label conjugation, etc.) to ensure well-characterized specificity to corresponding normal immunoglobulins.

## Recommended Dilutions

IF/ICC 1:100 - 1:500

FC 1:50 - 1:200

## Immunogen Information

### Gene ID

Swiss Prot

### Immunogen

Rabbit IgG

### Synonyms

## Contact

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## Product Information

### Source

Goat

### Isotype

Fluorescein conjugated IgG

### Purification

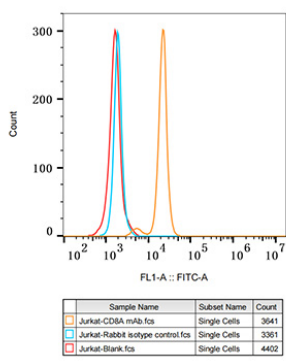
Affinity purification

### Storage

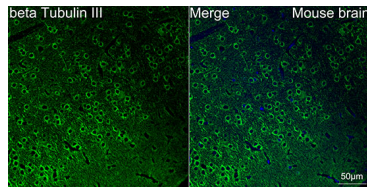
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.025% Sodium Azide,0.75% BSA,50% glycerol,pH7.3.

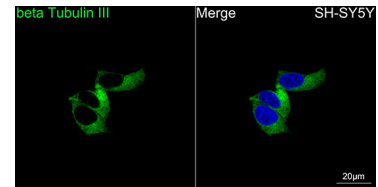
## Validation Data



Flow cytometry: Jurkat cells were stained with Rabbit IgG isotype control (AC042, 10 µg/mL, blue line) or CD8A Rabbit mAb (A0663, 10 µg/mL orange line), followed by FITC conjugated goat anti-Rabbit pAb (AS083, 1:200 dilution) staining. Non-fluorescently stained Jurkat cells were used as blank control (red line).



Confocal imaging of paraffin-embedded Mouse brain using  $\beta$ III-Tubulin Rabbit mAb (A17913, dilution 1:200) followed by a further incubation with FITC F(ab')<sub>2</sub> Fragment Goat Anti-Rabbit IgG, Fc fragment specific (AS083, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01M citrate buffer (pH 6.0) prior to IF staining.



Confocal imaging of SH-SY5Y cells using  $\beta$ III-Tubulin Rabbit mAb (A17913, dilution 1:200) followed by a further incubation with FITC F(ab')<sub>2</sub> Fragment Goat Anti-Rabbit IgG, Fc fragment specific (AS083, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.