

Anti-Mouse IgG (H+L), F(ab')₂ Fragment (Alexa Fluor® 555 Conjugate)

✓ 250 µl



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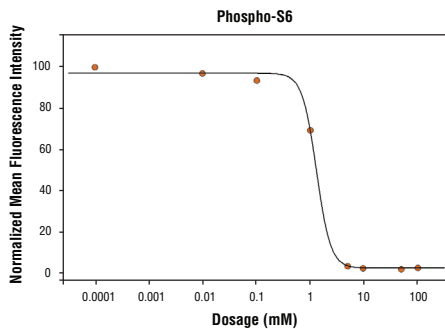
rev. 10/02/17

For Research Use Only. Not For Use In Diagnostic Procedures.

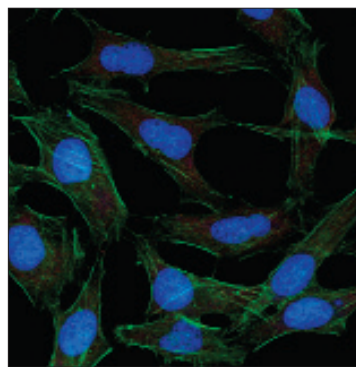
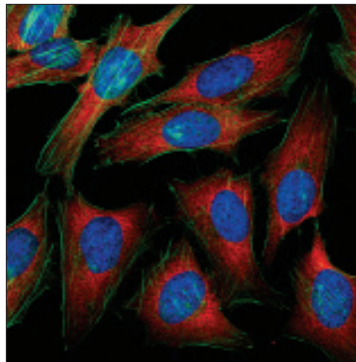
Description: Anti-Mouse IgG (H+L) F(ab')₂ Fragment was conjugated to Alexa Fluor® 555 fluorescent dye under optimal conditions and formulated at 2 mg/ml. This F(ab')₂ fragment results in less non-specific binding to cells through Fc receptors.

Background: This product has been optimized for use as a secondary antibody in immunofluorescent applications. Fluorescent anti-species IgG conjugates are ideal for flow cytometry and immunofluorescence. Cell Signaling Technology's strict quality control procedures assure that each conjugate provides optimal specificity and fluorescence.

Specificity/Sensitivity: F(ab')₂ fragments are prepared from goat antibodies that have been adsorbed against human IgG and human serum.



High content analysis of C2C12 cells exposed to varying concentrations of LY294002 #9901 for 2 hours. With increasing concentrations of LY294002, a significant decrease (~20 fold) in phospho-S6 Ribosomal protein (Ser235/236) signal as compared to the untreated control was observed. When using phospho-S6 Ribosomal protein as a measurement, the IC₅₀ of this compound was 2.3 µM. Data was generated on the Acumen® HCS platform using Anti-Mouse IgG (H+L), F(ab')₂ Fragment (Alexa Fluor® 555 Conjugate).



Confocal immunofluorescent analysis of HeLa cells using with S6 Ribosomal Protein (54D2) Mouse mAb #2317 detected with Anti-Mouse IgG (H+L), F(ab')₂ Fragment (Alexa Fluor® 555 Conjugate) (upper) compared to an isotype control (lower). Actin filaments have been labeled with fluorescein phalloidin. Blue pseudocolor = DRAQ5® #4084 (fluorescent DNA dye).

Storage: Supplied in 0.1 M sodium phosphate, 0.1 M sodium chloride, pH 7.5, 5 mM sodium azide. Store at 4°C. *Do not aliquot the antibody. Protect from light. Do not freeze.*

Directions for Use: The optimal dilution of the anti-species antibody should be determined for each primary antibody by titration. However, a final dilution of 1:500 – 1:2000 should yield acceptable results for immunofluorescent assays.

For product specific protocols and a complete listing of recommended companion products please see the product web page at www.cellsignal.com

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