Anti-Mouse IgG (H+L), F(ab')₂ Fragment (Alexa Fluor® 488 Conjugate)

250 µl

Description: Anti-Mouse IgG (H+L) F(ab’), Fragment antibody was conjugated to Alexa Fluor® 488 fluorescent dye under optimal conditions and formulated at 2 mg/ml. This F(ab’), fragment product results in less non-specific binding, as it lacks the Fc domain that can bind to cells with 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’), fragments are prepared from goat antibodies that have been adsorbed against human IgG and human serum.

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 and flow cytometry 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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Confocal immunofluorescent analysis of mouse embryonic stem cells growing on mouse embryonic fibroblast (MEF) feeder cells using SSEA1 (MC480) Mouse mAb #4744 detected with anti-Mouse IgG (H+L), F(ab’), Fragment (Alexa Fluor® 488 Conjugate) (green). Actin filaments have been labeled with DyLight™ 554 Phalloidin #13054 (red). Blue pseudocolor = DRAQ5® #4084 (fluorescent DNA dye).

Flow cytometric analysis of untreated Jurkat cells using Akt (SG3) Mouse mAb #2966 detected with Anti-Mouse IgG (H+L), F(ab’), Fragment (Alexa Fluor® 488 Conjugate) (green) compared to a nonspecific negative control antibody (red).

High content analysis of A439 cells exposed to varying concentrations of caffeine for 30 min prior to and 1.5 hr following a 100 mJ UV-treatment. With increasing concentrations of caffeine, a significant decrease (~2.5 fold) in phospho-p53 signal as compared to the UV-treated control was observed. When using phospho-p53 as a measurement, the IC₅₀ of this compound was 2.95 mM. Data was generated on the Acumen® HCS platform using Anti-Mouse IgG (H+L), F(ab’), Fragment (Alexa Fluor® 488 Conjugate).

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