Revision 1

#4316 Store at +4C

Anti-mouse IgG (H+L), F(ab')$_2$ Fragment (DyLight® 488 Conjugate)

Cell Signaling TECHNOLOGY®

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For Research Use Only. Not for Use in Diagnostic Procedures.

Source/Isotype:
Goat

Product Usage Information

For flow cytometry, use product at a 1:1000 dilution. For immunofluorescence, the optimal dilution may have to be determined. For the detection of many antibodies, the optimal dilution is 1:250-1:1000. See protocol for more details.

Storage

Supplied in PBS (pH 7.2), less than 0.1% sodium azide, 2 mg/ml BSA. Store at 4°C. Protect from light. *Do not freeze.*

Specificity/Sensitivity

Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-goat serum, mouse IgG and mouse serum. No reaction was observed against anti-pepsin, anti-goat IgG F(c) or human serum proteins.

Source / Purification

The Anti-mouse IgG (H+L), F(ab')$_2$ Fragment is produced by immunizing goats with mouse IgG whole molecules. The Anti-mouse IgG (H+L),
F(ab')$_2$ Fragment is prepared from monospecific antiserum by immunoaffinity chromatography using mouse IgG coupled to agarose beads followed by solid phase adsorption to remove any unwanted reactivities, pepsin digestion and chromatographic separation. The F(ab')$_2$ Fragments were conjugated to DyLight® 488 under optimal conditions with an F/P ratio of 2-6.

Description

This Cell Signaling Technology antibody was conjugated to DyLight® 488 fluorescent dye under optimal conditions and tested in-house for indirect flow cytometric and immunofluorescent analysis of human and mouse cells.

Background

Fluorescent Anti-mouse IgG (H+L), F(ab')$_2$ Fragment is ideal for flow cytometry and immunofluorescence. This secondary antibody will detect mouse antibodies. Since this secondary antibody is made with F(ab')$_2$ fragments, non-specific binding through Fc receptors present on cells will be eliminated.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

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