

Store at +4°C
#4408

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



Cell Signaling
TECHNOLOGY®

Orders: 877-616-CELL (2355)
orders@cellsignal.com

Support: 877-678-TECH (8324)

Web: info@cellsignal.com
cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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

Applications:	Reactivity:	Source/Isotype:
IF-F, IF-IC, FC-FP	M	Goat

Product Usage Information

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.

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.*

Specificity / Sensitivity

F(ab')₂ fragments are prepared from goat antibodies that have been adsorbed against human IgG and human serum. Cross reactivity with rat primary antibodies has been observed.

Product Description

Anti-Mouse IgG (H+L) F(ab')₂ Fragment antibody was conjugated to Alexa Fluor® 488 fluorescent dye under optimal conditions and formulated at 2 mg/ml. This F(ab')₂ fragment product results in less non-specific binding, as it lacks the Fc domain that can bind to the 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.

Species Reactivity

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

Applications Key

IF-F: Immunofluorescence (Frozen) **IF-IC:** Immunofluorescence (Immunocytochemistry)
FC-FP: Flow Cytometry (Fixed/Permeabilized)

Cross-Reactivity Key

H: human **M:** mouse **R:** rat **Hm:** hamster **Mk:** monkey **Vir:** virus **Mi:** mink **C:** chicken **Dm:** D. melanogaster
X: Xenopus **Z:** zebrafish **B:** bovine **Dg:** dog **Pg:** pig **Sc:** S. cerevisiae **Ce:** C. elegans **Hr:** horse
GP: Guinea Pig **Rab:** rabbit **All:** all species expected

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