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**FITC-labeled Donkey Anti-Goat IgG (H+L)
FLUORESCENT CONJUGATE**

Catalog Number: FL-11
Quantity: 500 micrograms
Format: PBS (0.14 M Sodium Chloride; 0.003 M Potassium Chloride; 0.002 M Potassium Phosphate; 0.01 M Sodium Phosphate; pH 7.4), no preservative.
Host: Donkey

Background:

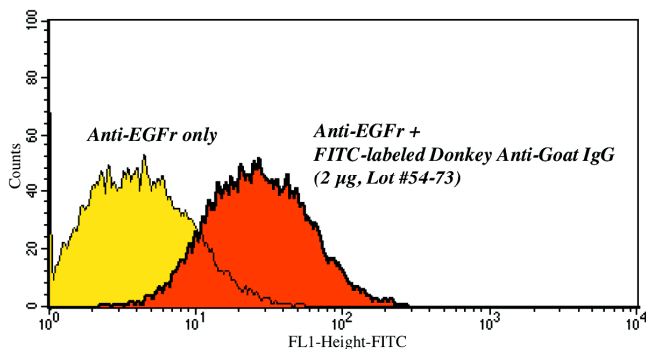
FITC-labeled donkey anti-goat IgG can be used to verify specific binding of goat IgG to its receptor. By first incubating cells with the primary goat antibody, and then binding the FITC-labeled donkey anti-goat IgG to the primary antibody, a fluorescent marker is formed that can demonstrate expression of a receptor or affinity of an antibody for its receptor. FITC is excited by 488 nm wavelength light, and emits at 525 nm.

Specificity and Preparation:

This fluorescent conjugate was prepared using donkey anti-goat IgG (H+L) and the fluorescent compound, fluorescein isothiocyanate (FITC). The antibody binds to goat IgG, and is affinity-purified to decrease background and non-specific binding. This antibody exhibits maximal binding to goat IgG antibodies, and minimal cross-reactivity with other molecules. This product is routinely tested by flow cytometry.

Usage and Storage:

Applications include flow cytometry (ATS in-house; 2 $\mu\text{g}/10^6$ cells per 200 μl). Store at 4°C. DO NOT STORE FROZEN. The material may display diminished activity as a result of repeated freezing and thawing.



3T3 cells were labeled with a primary goat IgG and incubated at 4°C for 1 hour. Cells were washed, then treated with FITC-labeled Donkey anti-Goat IgG. Samples were incubated for 30 minutes at 4°C. Cells were analyzed on a BD FACScan and data analyzed with CellQuest software.