ADVANCED TARGETING SYSTEMS

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

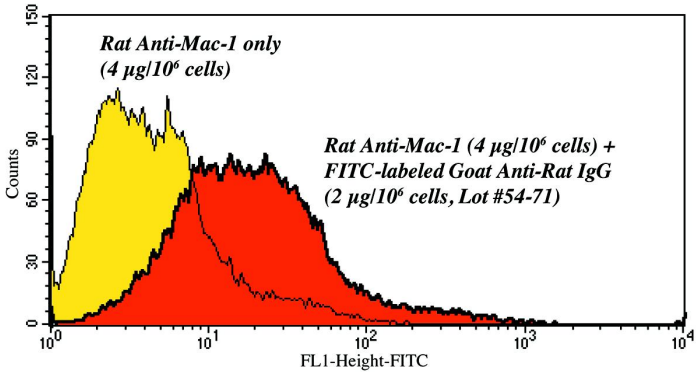
Catalog Number: FL-10
Quantity: 500 micrograms
Format: PBS (0.14 M Sodium Chloride; 0.003 M Potassium Chloride; 0.002 M Potassium Phosphate; 0.01 M Sodium Phosphate; pH 7.4), no preservative.
Host: Goat

Background:
FITC-labeled goat anti-rat IgG can be used to verify specific binding of rat IgG to its receptor. By first incubating cells with the primary rat antibody, and then binding the FITC-labeled goat anti-rat 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 goat anti-rat IgG (H+L) and the fluorescent compound, fluorescein isothiocyanate (FITC). The antibody binds to rat IgG, and is affinity-purified to decrease background and non-specific binding. This antibody exhibits maximal binding to rat 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 μg/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. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate.

To view protocol(s) for this and other products please visit: www.ATSbio.com/protocols



Sorted mouse monocyte cells were labeled with Rat anti-Mouse Mac-1 antibody (Cat. #AB-N05) and incubated at 4° C for 1 hour. Cells were washed, then treated with FITC-labeled Goat anti-Rat IgG. Samples were incubated for 30 minutes at 4°C. Cells were analyzed on a BD FACScan and data analyzed with CellQuest software.