ADVANCED TARGETING SYSTEMS

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

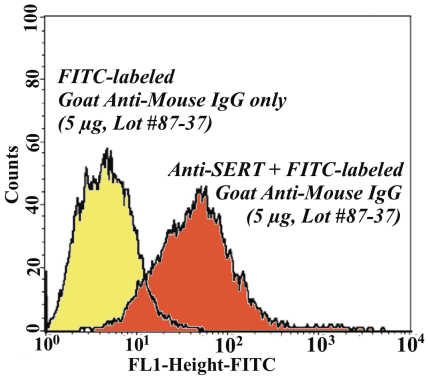
Catalog Number: FL-07
Quantity: 500 micrograms
Format: 50% PBS (0.14 M Sodium Chloride; 0.003 M Potassium Chloride; 0.002 M Potassium Phosphate; 0.01 M Sodium Phosphate; pH 7.4), 50% glycerol; no preservative.
Host: Goat

Background:
FITC-labeled goat anti-mouse IgG can be used to verify specific binding of mouse IgG to its receptor. By first incubating cells with the primary mouse antibody, and then binding the FITC-labeled goat anti-mouse 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-mouse IgG (H+L) and the fluorescent compound, fluorescein isothiocyanate (FITC). The antibody binds to mouse IgG, and is affinity-purified to decrease background and non-specific binding. This antibody exhibits maximal binding to mouse 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; 1 μg/10^6 cells per 200 μl).
Gently spin down material before use; 5-10 seconds in a microfuge should be adequate. The material can be handled safely using normal laboratory precautions. See Lot Number for lot-specific storage instructions.

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



A clone of RBL-2H3 cells, rat basophilic leukemia cells, were incubated with a protein-A purified mouse monoclonal primary antibody for one hour. The cells were then incubated for 30 minutes with FITC-labeled goat anti-mouse IgG secondary. Sample was read on a FACScan flow cytometer and data was analyzed with Cell Quest software.