

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

**Catalog Number:** FL-11  
**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:** 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 & 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:** Applications include flow cytometry (ATS in-house; 2  $\mu$ g/10<sup>6</sup> cells per 200  $\mu$ l).

**Storage:** Gently spin down material 5-10 seconds in a microfuge before use. The material can be handled safely using normal laboratory precautions. Store the antibody at -20°C for up to one year.

*To view protocol(s) for this and other products please visit: [www.ATSBio.com/library/protocols](http://www.ATSBio.com/library/protocols)*