

**Biotin Goat anti-rat IgG (minimal x-reactivity)**

**Catalog # / Size:** 2627140 / 100 µg

**Clone:** Poly4054

**Isotype:** Goat IgG

**Reactivity:** Rat

**Preparation:** The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

**Concentration:** Lot-specific

**Applications:**

**Applications:** Flow Cytometry

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is  $\leq 0.6$  µg per million cells in 100 µl volume. In addition, it has been tested by ELISA ( $\leq 2$  µg/ml) to assure the specificity and reactivity. It is recommended that the reagent be titrated for optimal performance for each application.

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**Application Notes:** This conjugated goat anti-rat IgG antibody is useful for direct immunofluorescent staining or as a second step reagent for indirect immunofluorescent staining when used in conjunction with primary antibodies.

**Application References:** 1. Zornetzer GA, *et al.* 2010. *J. Virol.* 84:11297. [PubMed](#)  
2. Frank NY, *et al.* 2011. *Cancer Res.* 71:1474. (IHC) [PubMed](#)

**Description:** Goat anti-rat IgG antibody reacts primarily with the heavy chains of rat IgG, but also partially binds to the light chains common to most rat immunoglobulins. No cross-reactivity has been detected against non-immunoglobulin serum proteins. This antibody has been solid-phase absorbed to ensure minimal cross-reaction with rabbit, human, bovine, horse, and mouse immunoglobulins, but it may cross-react with other immunoglobulins from other species.