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Product Information

Anti-Mouse IgG-Atto 594
from goat antiserum

Catalog Number **76085**
Storage Temperature −20 °C

Product Description
Anti-Mouse IgG (whole molecule), Catalog Number M8645, is produced in goat using purified mouse IgG as the immunogen. Affinity isolated antibody is purified from goat anti-mouse IgG antiserum to remove essentially all goat serum proteins, including immunoglobulins, which do not specifically bind to mouse IgG. The antibody preparation is solid phase adsorbed with human serum proteins to ensure minimal cross reactivity. Anti-Mouse IgG is conjugated to Atto 594 NHS, λ_{ex} 601 nm; λ_{em} 627 nm, Catalog Number 08637, then further purified via gel permeation chromatography and dialysis to remove unbound Atto-Dye.

Reagent
Anti-Mouse IgG-Atto 594 is supplied in unit sizes of 1 ml as 1mg/ml solutions in PBS buffer pH 7.4 with 5 mM sodium azide and 50% glycerol.

Precautions and Disclaimer
This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage / Stability
For continuous use, store at 2-8 °C for up to three months. For extended storage, the solution may be frozen in working aliquots at –20 °C. Frozen aliquots are stable for at least six months. Repeated freezing and thawing, or storage in “frost-free” freezers, is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Protect fluorescent conjugates from light.

Working Concentration
It is recommended that each individual user determine the optimum working dilution empirically for their systems.

Generally, concentrations of 1-10 µg /ml are sufficient for many applications.

Fluorophore/Protein (F/P) Ratio: ≥2
Unconjugated dye ≤5% of total fluorescence

The F/P molar ratio is determined spectrophotometrically and the F/P ratio of each lot is provided on the Certificate of Analysis.

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