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Product Information

Anti-Bovine IgG (whole molecule)–FITC
produced in rabbit, affinity isolated antibody

Catalog Number **F7887**

Product Description

Antiserum is produced in rabbit using purified bovine IgG as the immunogen. Antibody is isolated from rabbit anti-bovine IgG antiserum by immunospecific purification which removes essentially all rabbit serum proteins, including immunoglobulins, which do not specifically bind to bovine IgG. Rabbit anti-bovine IgG is conjugated to fluorescein isothiocyanate (FITC). Free FITC is removed by gel filtration.

Specificity of the anti-bovine IgG antibodies for bovine IgG is determined by immunoelectrophoresis (IEP), prior to conjugation, using normal bovine serum and bovine IgG.

Identity and purity of the antibody is established by immunoelectrophoresis, prior to conjugation. Electrophoresis of the antibody preparation followed by diffusion versus anti-rabbit IgG and anti-rabbit whole serum results in single arcs of precipitation.

Reagent

The conjugate is supplied as a solution in 0.01 M phosphate buffered saline, pH 7.4, with 15 mM sodium azide as a preservative.

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 one month. For extended storage, freeze in working aliquots. 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.

Note: Store product protected from light.

Product Profile

F/P Molar Ratio: 2.5-6.5

Direct immunofluorescence: a minimum working dilution of 1:300 was determined using rabbit spleen cells and Anti-Rabbit IgG as the primary antibody.

Immunohistochemistry: a minimum working dilution of 1:300 was determined using formalin fixed paraffin embedded rabbit spleen sections and Anti-Rabbit IgG as the primary antibody.

Note: In order to obtain best results, it is recommended that each researcher determine the optimal working dilution for their system by titration assay.

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