

Product Information

Anti-Human IgG (Fc specific), F(ab')₂ fragment produced in goat, affinity isolated antibody

Catalog Number **I3391**

Product Description

Antiserum is produced in goat using purified human IgG as the immunogen. Affinity isolation removes essentially all goat serum proteins, including immunoglobulins which do not specifically bind to the Fc fragment of human IgG. The affinity purified antibodies are pepsin digested to obtain the F(ab')₂ fragment.

Antiserum is determined to be immunospecific by immunoelectrophoresis using normal human serum, human IgG and Fc fragment of human IgG. No cross reaction is observed with the Fab fragment of human IgG. The absence of goat Fc fragments in the product is determined by immunoelectrophoresis applying specific antisera to goat IgG fragments. No reactivity is observed with mouse IgG or rat IgG, as determined by ELISA.

Identity and purity of the antibody is established by immunoelectrophoresis (IEP). Electrophoresis of the antibody preparation followed by diffusion versus anti-goat IgG F(ab')₂ and anti-goat whole serum results in single arcs of precipitation and no arcs of precipitation versus anti Goat Fc.

The reagent is a specific antigen-binding fragment devoid of Fc fragments and useful as a starting material for conjugates and applicable with human antibodies of IgG isotype.

Reagents

Supplied as a liquid in 0.01 M phosphate buffered saline, pH 7.4, with 15 mM sodium azide added as preservative.

Protein concentration ~2mg/ml

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

For continuous use, store at 2-8 °C for a maximum of one month. For extended storage, the solution may be frozen 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.

DS,KAA,PHC 01/13-1