



**Anti-Human IgG (Fc specific)  
F(ab')<sub>2</sub> Fragment of Affinity Isolated Antibody**

Product No. I 3391

**Product Description**

Antiserum is developed 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')<sub>2</sub> 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 and anti-goat whole serum results in single arcs of precipitation. The antibody preparation is found to consist of only the F(ab')<sub>2</sub> fragment of goat IgG as determined by SDS-Polyacrylamide Gel Electrophoresis (PAGE). No contamination with goat IgG whole molecule is observed.

## Product Information

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**

The product is provided as a liquid in 0.01 M phosphate buffered saline, pH 7.4, with 0.05% sodium azide added as preservative.

**Precautions and Disclaimer**

Due to the sodium azide content a material safety sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Consult the MSDS for information regarding hazardous 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 is **not** recommended. Storage in "frost-free" freezers is **not** recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use.

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