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Product Information

ANTI-HUMAN IgG (Fab SPECIFIC)
F(ab')₂ Fragment of Affinity Isolated Antibody
Antibody developed in Goat

Product No. I 3266

Product Description

Antiserum is developed in goat using purified human IgG, Fab fragment, as the immunogen. The F(ab')₂ fragment of the antibody is obtained from pepsin digested antiserum by immunospecific methods of purification. Affinity isolation removes essentially all goat serum proteins, including immunoglobulins which do not specifically bind to the Fab fragment of human IgG.

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

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 result in single arcs of precipitation.

The antibody is a specific antigen-binding fragment devoid of effector functions. It is 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 7.5 mM sodium azide added as preservative.

Precautions

Due to the sodium azide content a material safety data 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.

Product Profile

Protein Concentration: 2.0-2.5 mg (Fab')₂ fragment of antibody per ml.

Storage

For continuous use, store at 2-8 °C up to 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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