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## Product Information

### ANTI-HUMAN IgG (FC SPECIFIC)

Affinity Isolated Antigen Specific Antibody

Product Number I 2136

#### Product Description

Anti-Human IgG (Fc specific) antiserum is developed in goat using purified human IgG, Fc fragment, as the immunogen. Affinity isolated antigen specific antibody is obtained from goat anti-human IgG antiserum by immunospecific purification which removes essentially all goat serum proteins, including immunoglobulins, which do not specifically bind to the Fc fragment of human IgG.

#### Reagents

The purified antibody is supplied as a liquid in 0.01 M phosphate buffered saline, pH 7.4, containing 15 mM sodium azide as a preservative.

#### Precautions and Disclaimer

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 hazards and safe handling practices.

#### Storage/Stability

For continuous use, store at 2-8 °C for 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.

#### Product Profile

Specificity for the Fc fragment of human IgG is determined by Enzyme Linked Immunosorbent Assay (ELISA) and immunoelectrophoresis (IEP). The antibody preparation is specific for human IgG, Fc fragment when tested against purified human IgA, IgG (Fc and Fab fragments), IgM, Bence Jones kappa, and Bence Jones lambda myeloma proteins. No reactivity is observed with the Fab fragment of human IgG, light chains, IgA, or IgM.

When tested by Ouchterlony double diffusion (ODD) the product shows no interspecies cross reaction with mouse or rat IgG.

The affinity purified anti-human IgG (Fc specific) reagent offers the advantage of increased sensitivity for human IgG without cross reactivity with other substances present on membrane or cell surface. The lack of interspecies cross reactivity with mouse or rat serum proteins makes this product excellent for the screening of human monoclonal antibodies produced by hybridoma cells grown *in vivo* in mouse or rat ascites fluids. This product has the ability to detect all human IgG subclasses in human biological fluids or tissues of normal or pathological situations such as cancer or autoimmune diseases. It is effective as a second antibody reagent in immunoassay procedures and can be used as starting material for conjugates using enzymes or fluorescent dyes.

This goat antiserum was maintained at pH 5.0 for 40 minutes to meet U.S.D.A. requirements.

JWM/KAA 02/02

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