

Goat anti human IgG (Fc) serum

Catalog number: 50301, 50302

Unit size: 1 mL, 10 mL

Product Details

Storage Conditions Refrigerated (2-8 °C), Minimize light exposure

Expiration Date 6 months upon receiving

Chemical Properties

Appearance Powder

Applications

Anti-Human IgG (Fc specific) antiserum is produced in goat using purified human IgG, Fc fragment, as the immunogen. The antibody preparation is specific for human IgG, Fc fragment when tested against purified human IgA, IgG (Fc and Fab fragments). No reactivity is observed with the Fab fragment of human IgG, light chains, IgA, or IgM. 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. Anti-Human IgG (Fc specific) antibody produced in goat has been used in double-capture ELISA to measure antiglobulin responses in serum of transplant patients treated with CD52 monoclonal antibodies (CAMPATH-1G), detection of IgG levels rheumatoid arthritis patients, small intestine biopsies and patients with acute myocardial infarction by immunoblotting.