

Catalogue No. AB1010-500

Qty: 5 mg (10 mg/ml)

Human IgG Protein

Source: Goat

General description: Human IgG full length protein isolated from human serum. IgG is a monomeric immunoglobulin, with two heavy chains and two light chains. IgG can be found in blood and is the most abundant immunoglobulin, constituting 75% of serum immunoglobulins in humans. There are 4 subclasses (IgG1 (66%), IgG2 (23%), IgG3 (7%) and IgG4 (4%)) that can bind to many types of pathogens, protecting the body against them by complement activation, opsonization for phagocytosis and neutralisation of their toxins. This protein can be used in biochemical and cell biology experiments as a blocking agent, coating protein, standard, reference antigen in a variety of immune assays including

Storage: Store at -20 C for long-term storage. Store at 2-8 C for up to one month.

References:

Western and dot blotting, ELISA, immune diffusion and immunoelectrophoresis.

Alternative names: Immunoglobulin G

Form: Human full length IgG protein supplied as a 500 µl (10 mg/ml) aliquot in phosphate buffer (0.1 M, pH 7.4) and 0.001% sodium azide. This protein was affinity purified from serum of four donors tested and found negative for Hepatitis B, Hepatitis C, HIV I and II antibodies using protein G. Purity >95% by SDS-PAGE.

Special instructions: Avoid freeze/thaw cycles.

For research use only, not for diagnostic use