Native Human IgG protein ab98981

Specifications

Our Abpromise guarantee covers the use of ab98981 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications
Radial Immunodiffusion
SDS-PAGE

Form
Lyophilized

Preparation and Storage

Stability and Storage
Shipped at 4°C. Store at 4°C prior to reconstitution. Store at -80°C.
Constituent: 0.158% Ammonium bicarbonate

Reconstitution
Reconstitution in phosphate buffer, pH >7.0 containing 0.15M NaCl is recommended.

Additional notes
Starting material serum donor tested and found negative for HIV I & II antibodies, Hepatitis B surface antigen, and Hepatitis C antibodies.
IgG from pooled normal human serum/plasma

Relevance
IgG is a monomeric immunoglobulin, built of two heavy chains gamma and two light chains. Each
molecule has two antigen binding sites. This is the most abundant immunoglobulin and is approximately equally distributed in blood and in tissue liquids, constituting 75% of serum immunoglobulins in humans. This is the only isotype that can pass through the human placenta, thereby providing protection to the fetus in its first weeks of life before its own immune system has developed. It can bind to many kinds of pathogens, for example viruses, bacteria, and fungi, and protects the body against them by complement activation (classic pathway), opsonization for phagocytosis and neutralisation of their toxins. There are 4 subclasses: IgG1 (66%), IgG2 (23%), IgG3 (7%) and IgG4 (4%).

**Cellular localization**

Cell Membrane and Secreted

**Images**

The wells were coated with **ab195576** at 0.5µg/ml at 50µl/well overnight at 4°C, followed by a 5% BSA blocking step for 2h RT. Human IgG (ab98981) was then added starting at 40 µg/ml and plasma/serum at 1:50 and gradually diluted 1:4, 50µl/well for 2h. **ab201484** was then added at 1:10,000 dilution, 50µl/well for 2h. A HRP-streptavidin (**ab7403**) was used at 1:10,000 dilution for 1h.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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