
Native Human IgG1 protein

Catalog Number: bs-4594P

Species: Human

Form: Liquid

Storage: Supplied frozen in 20 mM phosphate, pH 7.4, with 150 mM NaCl and 0.05% NaN₃
Store at -20°C

Background: Human IgG1 is a purified immunoglobulin protein that plays a crucial role in the field of life sciences. It is widely used in research and diagnostic applications due to its ability to bind to specific antigens and initiate immune responses. Human IgG1 has been extensively studied for its neutralizing properties against various pathogens, including *Cryptosporidium*, and its potential therapeutic effects against inflammatory conditions. One of the key functions of Human IgG1 is its ability to neutralize tumor necrosis factor- α (TNF- α), a pro-inflammatory cytokine involved in various autoimmune diseases. By binding to TNF- α , Human IgG1 can inhibit its activity and reduce inflammation. Additionally, Human IgG1 has been shown to have growth factor-like effects, promoting cell proliferation and differentiation. Another important characteristic of Human IgG1 is its glycosylation pattern. The addition of glycans to the protein structure can impact its stability, solubility, and interaction with other molecules.