

Purification Antibody

Summary:

Quantity size: 1mg/10mg **Purification method:** Protein A or Protein G
Concentration: 10mg/mL buffer=0.01M PBS (pH7.2-7.4) with 0.03% Proclin300.
Immunogen: IgG **Purity:** >90%
Western blotting: 1:5000-50000 **ELISA:** 1:10000-100000
ELISA coating: 10-20ug/mL
Immunochromatographic control-line: 2mg/mL
Antibody conjugation: 500ug-20mg/mL
Gold conjugation: Borate buffer (PH=9.0)
HRP conjugation: 0.01mol/L CB (PH=9.0)
Fluorescein conjugation: 0.5mol/L CB (PH=9.5)
Biotin conjugation: 0.1mol/L NaHCO₃
Storage: Shipped at 4°C, Store at -20°C at least one year (Avoid repeated freeze/thaw cycles).

Background:

Immunoglobulin G (IgG), is one of the most abundant proteins in serum with normal levels between 8-17 mg/mL in adult blood. IgG is important for our defence against microorganisms and the molecules are produced by B lymphocytes as a part of our adaptive immune response. The IgG molecule has two separate functions; to bind to the pathogen that elicited the response and to recruit other cells and molecules to destroy the antigen. The variability of the IgG pool is generated by somatic recombination and the number of specificities in an individual at a given time point is estimated to be 1011 variants.

Related products:

SP034 Rabbit IgG
SA134 Goat anti-Rabbit IgG (Purification Antibody)
SF134 Goat anti-Rabbit IgG-FITC
SE237 Rabbit Anti-pig IgG-HRP
A1820 HRP-conjugated Antibody Dilution Buffer

Related Articles:

[1] Wang S, Zhang Y, Liu Y, Zheng R, Wu Z, Fan Y, Li M, Li M, Li T, Li Y, Jiang Z, Wang C, Liu Y. Inhibition of CSRP2 Promotes Leukemia Cell Proliferation and Correlates with Relapse in Adults with Acute Myeloid Leukemia. *Onco Targets Ther.* 2020 Dec 7;13:12549-12560.(IF 3.337)

Important Note: Potency is subject to the product label. Optimal working dilutions must be determined by the end user.