

BA683**Native Human IgG4 - Purified**

Alternate names:	Human Immunoglobulin G4
Quantity:	1 mg
Concentration:	1.0 mg/ml
Background:	Immunoglobulin G (IgG), is one of the most abundant protein in human 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 10e11 variants.
Species:	Human
Source:	Myeloma, Serum
Format:	State: Liquid purified immunoglobulin Purity: >95% pure by SDS-PAGE. Preparation: Affinity Chromatography. Buffer System: PBS containing 0.09% Sodium Azide as preservative.
Applications:	ELISA. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Description:	Purified Human IgG4. Specificity: A single arc was observed in Immunoelectrophoresis against antisera to whole human serum and human lambda light chain.
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Caution:	The starting material was shown to be non reactive for HBsAg, anti-HCV, anti-HBc and negative for anti-HIV. Nevertheless, all products from human sources should be handled as potentially infectious.