

Recombinant Human IgG Fc Control Protein

Cat. No. IgG-02H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IgG Fc Control Protein was expressed in HEK293 Cells and purified using protein A-agarose.
Species	Human
Source	HEK293
Description	Recombinant fusion proteins consisting of the extracellular domain of immunoregulatory proteins and the constant (Fc) domain of immunoglobulin G (IgG) represent a growing class of human therapeutics. Chimeric protein of Human target protein and Human IgG-Fc domain can be purified using protein A chromatography.
Predicted MolecularMass	~ 55 kDa
Formulation	50g of recombinant protein in 50μof 1X PBS, 20%(v/v) glycerol. Frozen solution.
Concentration	1 mg/mL
Purity	Greater than 90% by SDS-PAGE and Coomassie blue staining. Western blotting by primary antibody Mouse anti-Human IgG, clone HP6017, Fc and secondary antibody Goat anti-Mouse IgG, HRP conjugate
Storage	Best stored at -80°C for up to 6 months after date of receipt. Thawed aliquots should be used immediately, as repeated freeze/thaw cycles might result in loss of activity.

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Background

Introduction

Immunoglobulin G (IgG) is an antibody isotype. It is a protein complex composed of four peptide chains — two identical heavy chains and two identical light chains arranged in a Y-shape typical of antibody monomers. Each IgG has two antigen binding sites. Representing approximately 75% of serum immunoglobulins in humans, IgG is the most abundant antibody isotype found in the circulation. IgG molecules are synthesized and secreted by plasma B cells.

Keywords

IgG Fc; IgG Fc(Human); Recombinant Human IgG Fc

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