

Human IgG4 Fc Protein

Cat. No. IGG-HM004



Description

Source	Recombinant Human IgG4 Fc Protein is expressed from HEK293 without tag. It contains Glu99-Gly326.
Accession	P01861
Molecular Weight	The protein has a predicted MW of 25.8 kDa. Due to glycosylation, the protein migrates to 30-35 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

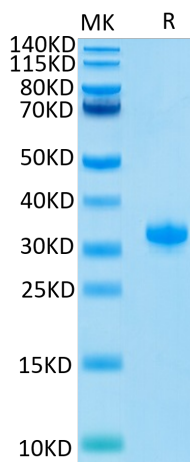
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

It is known as a IgG4-related disease and its differentiation is based on the analysis of IgG4 levels in the affected tissues. The IgG4-related disease is considered to be a generalized pathological process involving a wide spectrum of various disorders that may affect distant organs.

Assay Data

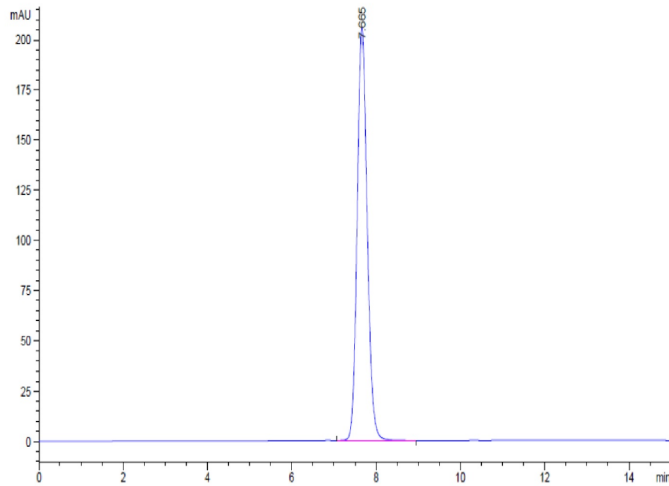
Tris-Bis PAGE



Human IgG4 Fc on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

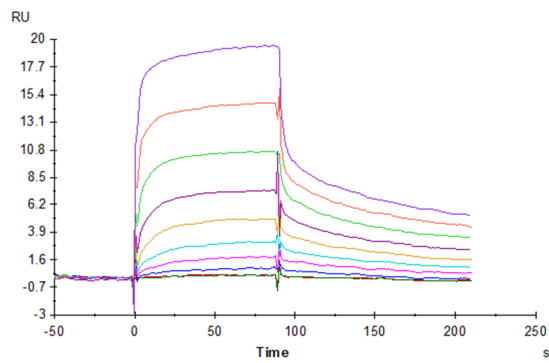
SEC-HPLC

Assay Data



The purity of Human IgG4 Fc is greater than 95% as determined by SEC-HPLC.

SPR Data



Human FcRn, His Tag captured on CM5 Chip via Anti-His Antibody can bind Human IgG4 Fc, No Tag with an affinity constant of 1.365 μ M as determined in SPR assay (Biacore T200).