

Human CD52 Protein

Cat. No. CD5-HM252



Description

Source	Recombinant Human CD52 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Gly25-Ser36.
Accession	P31358
Molecular Weight	The protein has a predicted MW of 28 kDa. Due to glycosylation, the protein migrates to 40-45 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

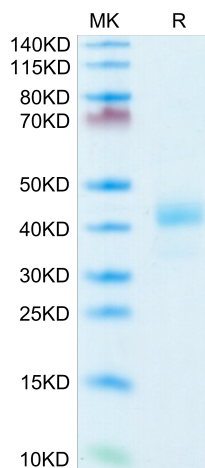
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled 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

CD52, also known as CAMPATH-1 antigen, HE5, and gp20, is a cell surface glycoprotein that can be targeted to induce immune suppression by complement-mediated cell lysis. Mature human CD52 is a 12 amino acid peptide that is tethered to the cell surface with a GPI linkage. CD52 may play a role in carrying and orienting carbohydrate, as well as having a more specific role.

Assay Data

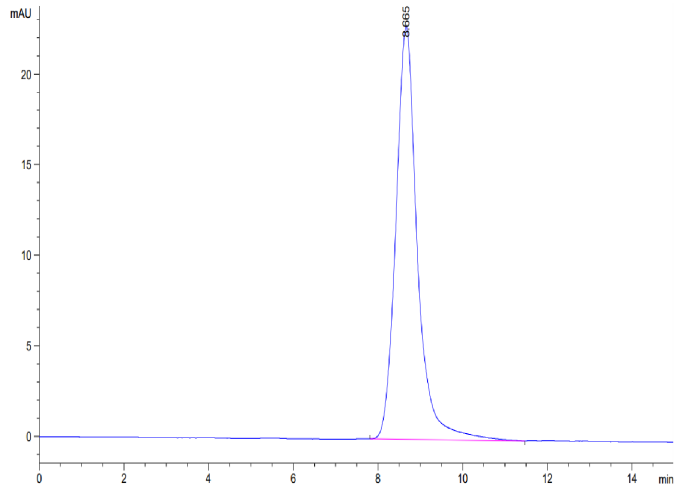
Tris-Bis PAGE



Human CD52 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data



The purity of Human CD52 is greater than 95% as determined by SEC-HPLC.