

Rev02
 Update: Aug,08,2025

DATASHEET

CD52 mFc Chimera, Human

Cat. No.: Z04216

Product Introduction

Species	Human
Protein Construction	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> CD52 (Gly25-Ser36) Accession # P31358 <small>N-term</small> </div> <div style="background-color: #76b82a; color: white; padding: 5px; text-align: center;"> mFc (IgG1) <small>C-term</small> </div> </div>
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per µg by the LAL method.
Expression System	HEK293
Theoretical Molecular Weight	27.6 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 38-48 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
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 & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

Background

Target 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.

Synonyms : CD52 molecule; CD52; CDW52 antigen (CAMPATH-1 antigen); CDw52; He5; HEL-S-171mP; CAMPATH-1; CAMPATH1

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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