

# Recombinant Human CD52 (C-Fc-Avi) Biotinylated

Catalog Number:PKSH033863



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

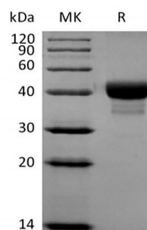
## Description

<b>Synonyms</b>	CAMPATH-1 antigen;CAMPATH-1;CD52 antigen;CD52 molecule;CD52;CDw52;Epididymal secretory protein E5;He5;HEL-S-171mP;Human epididymis-specific protein 5
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Gly25-Ser36
<b>Accession</b>	P31358
<b>Calculated Molecular Weight</b>	30.2 kDa
<b>Observed molecular weight</b>	38-50 kDa
<b>Tag</b>	C-Fc-Avi

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 95 % as determined by reducing SDS-PAGE.

## 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. CD52 is expressed on lymphocytes, monocytes, monocyte-derived dendritic cells, eosinophils, and neutrophils, as well as on mature spermatozoa and epithelial cells lining the male genital tract. From the clinical point of view this protein is an important target for therapeutic interventions aimed at leukocyte depletion in hematological malignancies and post-transplant immunosuppression. CD52 / CDW52 may play a role in carrying and orienting carbohydrate. It is an unusually good target for complement-mediated cell lysis.

## For Research Use Only

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