

---

## Product Data Sheet

---

Product Name: CD52 Human  
 Cat. No.: GP23063  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CD52 Molecule; Human Epididymis-Specific Protein 5; CD52 Antigen; Epididymal Secretory Protein E5; Cambridge Pathology 1 Antigen; CDW52; He5; Epididymis Secretory Sperm Binding Protein Li 171mP; CDW52 Antigen; CD52 Antigen; HEL-S-171mP; EDDM5; CDw52; HE5.		
Amino Acid Sequence	GQNDTSQTSS PSLEPKSCDK THTCPPCPAP ELLGGPSVFL FPPKPKDTLM ISRTPEVTCV VVDVSHEDPE VKFNWYVDGV EVHNAKTKPR EEQYNSTYRV VSVLTVLHQD WLNGKEYKCK VSNKALPAPI EKTISKAKGQ PREPQVYTLPSRDELTKNQ VSLTCLVKGF YPSDIAVEWESNGQPENNYK TTPPVLDSDG SFFLYSKLTV DKSRWQQGNV FSCSVMHEAL HNHYTQKSL S LSPGKHHHHH H.		
Formulation	CD52 protein solution (0.5mg/ml) contains 10% glycerol & Phosphate Buffered Saline (pH 7.4).		

### Introduction

CD52 is a small GPI (glycosylphosphatidylinositol) anchored glycoprotein which is tied to the cell surface with a GPI linkage. CD52 induces immune suppression by complement-mediated cell lysis. Moreover, CD52 is expressed on lymphocytes, eosinophils, monocytes-derived dendritic cells, monocytes, as well as neutrophils, however not on the stem cells from which these lymphocytes were derived. Furthermore, CD52 is a significant goal for therapeutic interventions intended for leukocyte depletion in post-transplant immunosuppression & hematological malignancies.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

---

## Product Data Sheet

---

### Background

CD52 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 251 amino acids (25-36 a.a.) and having a molecular mass of 28.2kDa. (Molecular size on SDS-PAGE will appear at approximately 28-40kDa). CD52 is expressed with a 239 amino acid hIgG-His-tag at C-Terminus and purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

**Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com**

**Address: 10292 Central Ave. #205, Montclair, CA, USA**