

## CD52 Protein, Cynomolgus (HEK293, Fc)

Cat. No.:	HY-P76240
Synonyms:	CAMPATH-1; CD52 antigen; CDw52; Epididymal secretory protein E5; He5
Species:	Cynomolgus
Source:	HEK293
Accession:	F6QMS2 (Q20-S35)
Gene ID:	714429
Molecular Weight:	Approximately 35-46 kDa due to the glycosylation.

### PROPERTIES

AA Sequence	Q T G V T S Q N A T      S Q S S P S
Biological Activity	Measured by its binding ability in a functional ELISA. When Recombinant Cynomolgus CD52 is immobilized at 1 µg/mL (100 µL/well) can bind Recombinant Human Siglec $\times$ 10 Protein. The ED <sub>50</sub> for this effect is 3.562 µg/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	<p>The CD52 protein exhibits a multifaceted role, encompassing the carrying and orienting of carbohydrates, which suggests involvement in molecular transport and arrangement. Beyond these general functions, CD52 also appears to fulfill a more specific role, the details of which are yet to be fully elucidated. The dual nature of CD52's activities underscores its versatility in cellular processes, prompting further investigation into the precise mechanisms and specific contributions it makes. Exploring the intricacies of CD52's more targeted role holds the potential to unveil novel insights, enhancing our comprehension of its intricate functions and broader implications in cellular and molecular contexts.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA