

## CD52 Protein, Mouse (46a.a, HEK293, Fc)

<b>Cat. No.:</b>	HY-P75398
<b>Synonyms:</b>	CAMPATH-1; CD52 antigen; CDw52; Epididymal secretory protein E5; He5
<b>Species:</b>	Mouse
<b>Source:</b>	HEK293
<b>Accession:</b>	Q64389 (G24-K46)
<b>Gene ID:</b>	23833
<b>Molecular Weight:</b>	Approximately 35-45 kDa due to the glycosylation.

### PROPERTIES

<b>AA Sequence</b>	G Q A T T A A S G T    N K N S T S T K K T    P L K
<b>Biological Activity</b>	Measured by its binding ability in a functional ELISA. When Recombinant Human Siglec-10 is immobilized at 2.5 µg/mL (100 µL/well) can bind Recombinant Mouse CD52 Protein. The ED <sub>50</sub> for this effect is 1.71 µg/mL.
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	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).
<b>Storage &amp; Stability</b>	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.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	The CD52 protein appears to have a multifaceted role, involving both the carrying and orienting of carbohydrates, indicating potential functions in molecular transport and arrangement. Beyond these general activities, CD52 may also harbor a more specific role, the details of which are yet to be fully understood. The versatility suggested by CD52's dual functions prompts further exploration into its precise mechanisms and contributions, shedding light on its broader significance in cellular and molecular contexts. Unraveling the specifics of CD52's more targeted role could provide valuable insights, advancing our understanding of its intricate functions and potential implications.
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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