

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

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

PROPERTIES

AA Sequence	G Q A T T A A S G T N K N S T S T K K T P L K
Biological Activity	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 ₅₀ for this effect is 1.71 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 ₂ 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	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.

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