CD52 Protein, Rat (HEK293, Fc)

Cat. No.:	HY-P75397
Synonyms:	CAMPATH-1; CD52 antigen; CDw52; Epididymal secretory protein E5; He5
Species:	Rat
Source:	HEK293
Accession:	Q63064 (G24-A69)
Gene ID:	117054
Molecular Weight:	Approximately 43-60 kDa due to the glycosylation.

PROPERTIES

AA Sequence	G Q N S T A V T T P A N K A A T T A A A T T K A A A T T A T K T T T A V R K T P G K P P K A
Biological Activity	Measured by its binding ability in a functional ELISA. When Recombinant Rat is present at 10 μg/mL can bind CD52 antibody. The ED_{50} for this effect is 4.298 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.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. 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, with implications in both carrying and orienting carbohydrates, suggesting a potential involvement in molecular transport and arrangement. Beyond its general function, CD52 may also have a more specific role, the details of which remain to be elucidated. The dual nature of CD52's potential roles hints at its versatility in molecular processes and raises intriguing questions about its specific contributions in cellular and molecular contexts. Further exploration into the precise mechanisms and functions associated with CD52's carbohydrate-related activities, as well as the identification of its more specific role, could provide valuable insights into its broader functional significance.

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

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