

## CD5 Protein, Human (Biotinylated, HEK293, Fc-Avi)

Cat. No.:	HY-P78093
Synonyms:	CD5 molecule; CD5; LEU1; T1; CD5 antigen
Species:	Human
Source:	HEK293
Accession:	P06127 (R25-N371)
Gene ID:	921
Molecular Weight:	70-80 kDa

### PROPERTIES

Biological Activity	Immobilized Anti-CD5 Antibody at 2 ug/ml (100µL/Well) on the plate. Dose response curve for Biotinylated Human CD5, hFc Tag with the EC <sub>50</sub> of 17.7 ng/ml determined by ELISA.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Normally 5% trehalose is added as protectant before lyophilization.
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.
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 CD5 Protein presents itself as a potential receptor implicated in the regulation of T-cell proliferation. Its interaction with CD72/LYB-2 and PTPN6/SHP-1 suggests a multifaceted role in modulating cellular processes. Acting as a receptor, this protein may play a pivotal part in orchestrating T-cell responses, mediating crucial interactions with other cellular components. The engagement with CD72/LYB-2 and PTPN6/SHP-1 underscores its involvement in intricate signaling pathways, hinting at its significance in the regulatory networks that govern T-cell behavior. Further exploration of the CD5 Protein's functions could provide valuable insights into the molecular mechanisms underlying T-cell proliferation and immune modulation.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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