

CD5 Protein, Rat (HEK293, His)

Cat. No.:	HY-P74283
Synonyms:	T-cell surface glycoprotein CD5; Ly-1; Lyt-1; CD5; Leu-1
Species:	Rat
Source:	HEK293
Accession:	P51882 (Q24-P368)
Gene ID:	54236
Molecular Weight:	Approximately 50-56 kDa

PROPERTIES

AA Sequence	<pre> Q S G R G F V G A Q V M L S G S N S K C Q G L V E V Q M N G M K T V C S S S W R L S Q D L W K N A N E A S T V C Q Q L G C G N P L A L G H L T L W N R P K N Q I L C Q G P P W S F S N C S T S S L G Q C L P L S L V C L E P Q K T T P L P T T T L P T T M P E P T A P P R L Q L V P G H E G L R C T G V V E F Y N G S R G G T I L Y K A K A R P V D L G N L I C K S L Q C G S F L T H L S R I E T A G T P A P A E L R D P R P L P I R W E A Q N G S C T S L Q Q C F Q K T T V Q E G S Q A L A V V C S D F Q P K V Q S R L V G G S S V C E G I A E V R Q R S Q W A A L C D S S A A R G P G R W E E L C Q E Q Q C G N L I S F H V M D A D R T S P G V L C T Q E K L S Q C Y Q L Q K K T H C K R V F I T C K D P N P </pre>
Biological Activity	Immobilized Rat CD5 Protein at 1 µg/mL (100 µL/well) can bind Anti-CD5 Antibody, the ED ₅₀ for this effect is 18.65 ng/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	CD5 protein plays a crucial role as a receptor in the regulation of T-cell proliferation. It interacts with CD72/LYB-2 and also
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has a potential interaction with PTPN6/SHP-1, highlighting its involvement in important signaling pathways.

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

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