

Thy1/CD90 Protein, Rat (HEK293, His)

Cat. No.:	HY-P74514
Synonyms:	Thy-1 membrane glycoprotein; CDw90; Thy-1 antigen; CD90
Species:	Rat
Source:	HEK293
Accession:	P01830 (Q20-K129)
Gene ID:	24832
Molecular Weight:	Approximately 23-27 kDa

PROPERTIES

AA Sequence	<p>Q R V I S L T A C L V N Q N L R L D C R H E N N T N L P I Q H E F S L T R E K K</p> <p>K H V L S G T L G V P E H T Y R S R V N L F S D R F I K V L T L A N F T T K D E</p> <p>G D Y M C E L R V S G Q N P T S S N K T I N V I R D K L V K</p>
Biological Activity	Measured by its binding ability in a functional ELISA. When Recombinant Rat CD90 is immobilized at 5.00 µg/mL (100 µL/well) can bind Human Galectin-1. The ED ₅₀ for this effect is 0.3630 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	<p>The Thy1/CD90 protein is suggested to potentially play a role in cell-cell or cell-ligand interactions, particularly during synaptogenesis and other events in the brain, indicating its involvement in critical processes related to neural development and synaptic connectivity. The precise mechanisms and specific contexts in which Thy1/CD90 operates during these events remain areas of interest, underscoring its potential significance in orchestrating cellular interactions in the intricate landscape of the brain. The versatility of Thy1/CD90 in mediating cell communication and potentially influencing synaptic formation emphasizes the need for further exploration to elucidate its exact functions and molecular mechanisms in these</p>
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dynamic processes.

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

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