

Thy1/CD90 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P74515
Synonyms:	Thy-1 membrane glycoprotein; CDw90; Thy-1 antigen; CD90
Species:	Mouse
Source:	HEK293
Accession:	P01831 (Q20-C131)
Gene ID:	21838
Molecular Weight:	The protein migrates as approximately 17-27 kDa under reducing SDS-PAGE due to glycosylation.

PROPERTIES

AA Sequence	<p>Q K V T S L T A C L V N Q N L R L D C R H E N N T K D N S I Q H E F S L T R E K</p> <p>R K H V L S G T L G I P E H T Y R S R V T L S N Q P Y I K V L T L A N F T T K D</p> <p>E G D Y F C E L Q V S G A N P M S S N K S I S V Y R D K L V K C</p>
Biological Activity	Measured by its binding ability in a functional ELISA. When Recombinant Mouse CD90/Thy-1 is immobilized at 5.00 µg/mL (100 µL/well), Recombinant Mouse Galectin-1 binds with an ED ₅₀ of 0.203 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 emerges as a potential player in cell-cell or cell-ligand interactions, particularly during crucial events such as synaptogenesis in the brain. This implies a role for Thy1/CD90 in facilitating communication and connections between cells, contributing to the intricate processes involved in the formation and organization of synapses. The specific involvement of Thy1/CD90 in these interactions highlights its potential significance in shaping the architecture and functionality of neural networks. Further exploration into the precise mechanisms by which Thy1/CD90 participates in cell-cell or cell-ligand interactions during various neurodevelopmental events could provide valuable insights into its role in</p>
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brain function and connectivity.

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

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