

Thy1/CD90 Protein, Human (HEK293)

Cat. No.:	HY-P74518
Synonyms:	Thy-1 membrane glycoprotein; CDw90; Thy-1 antigen; CD90
Species:	Human
Source:	HEK293
Accession:	P04216/NP_006279.2/Q20-C130
Gene ID:	7070
Molecular Weight:	Approximately 23-30 kDa

PROPERTIES

AA Sequence	<p>Q K V T S L T A C L V D Q S L R L D C R H E N T S S S P I Q Y E F S L T R E T K</p> <p>K H V L F G T V G V P E H T Y R S R T N F T S K Y N M K V L Y L S A F T S K D E</p> <p>G T Y T C A L H H S G H S P P I S S Q N V T V L R D K L V K C</p>
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, 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>Thy-1 membrane glycoprotein (THY1, CD90) is a cell surface glycoprotein and member of the immunoglobulin superfamily of proteins. THY1 is involved in cell adhesion and cell communication in numerous cell types, but particularly in cells of the immune and nervous systems. THY1 is widely used as a marker for hematopoietic stem cells. THY1 may function as a tumor suppressor in nasopharyngeal carcinoma and may play a role in cell-cell or cell-ligand interactions during synaptogenesis and other events in the brain, facilitating communication and connections between cells, shaping neural network architecture and functionality^{[1][2]}.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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