

Thy1/CD90 Protein, Cynomolgus (HEK293, His)

Cat. No.:	HY-P76105
Synonyms:	Thy-1 membrane glycoprotein; Thy-1 antigen; CD90; Thy-1
Species:	Cynomolgus
Source:	HEK293
Accession:	A0A2K5U4H6 (Q20-K129)
Gene ID:	102139037
Molecular Weight:	Approximately 27 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 T 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</p>
Biological Activity	Measured by its binding ability in a functional ELISA. When Recombinant Cynomolgus CD90 is immobilized at 5.00 µg/mL (100 µL/well), recombinant Human Galectin-1 binds with an ED ₅₀ of 0.4373 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>Thy1/CD90 Protein has multiple immune functions. Most of them are mediated through interactions with integrins^{[1][2]}. Thy1/CD90 Protein is an activation determinant. The binding and cross-linking of Thy1/CD90 Protein on the surface of T cells by MAb may lead to T cell activation in a manner similar to that of plant lectins, resulting in the production of polyclonal interleukin-2 (IL-2), expression of IL-2R, and proliferation^[3].</p> <p>Thy1/CD90 protein acts as a regulator of cell-cell and cell-matrix interactions in axonal regeneration, apoptosis, adhesion, migration, cancer, and fibrosis. It also affects many non-immune biological processes^[4].</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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