

CD27/TNFRSF7 Protein, Human (Biotinylated, sf9, His)

Cat. No.:	HY-P75633
Synonyms:	CD27 antigen; T cell activation antigen CD27; T14; TNFRSF7
Species:	Human
Source:	Sf9 insect cells
Accession:	P26842 (A20-I192)
Gene ID:	939
Molecular Weight:	Approximately 20.7 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
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.
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	CD27/TNFRSF7 Protein, serving as the receptor for CD70/CD27L, potentially plays a critical role in the survival of activated T-cells, implicating its involvement in immune responses. Additionally, it may contribute to apoptosis through its association with SIVA1, suggesting a regulatory function in programmed cell death pathways. Existing as a homodimer, CD27/TNFRSF7 interacts with key proteins such as SIVA1 and TRAF2, indicating its engagement in intricate signaling cascades. The multifaceted roles of CD27/TNFRSF7 in T-cell survival and apoptosis underscore its significance in immune regulation and highlight its potential as a target for therapeutic interventions aimed at modulating immune responses.
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Caution: Product has not been fully validated for medical applications. For research use only.

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