9051 Mira Mesa Blvd, #910094
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CD27 Human, HEK

CD27 Human Recombinant, HEK
CDA0043

Product Overview

Name	CD27 Human, HEK
Description	
CD27 Human Recombinant, HEK	
Accession (Primary)	P26842
Synonyms	
Tumor Necrosis Factor Receptor Superfamily Member 7, T-Cell Activation Antigen CD27, CD27 Molecule, CD27 Antigen, T Cell Activation Antigen S152, CD27L Receptor, TNFRSF7, S152, Tp55, T14.	
Introduction	
CD27 belongs to the TNF-receptor superfamily. CD27 is necessary for initiation and long-term maintenance of T cell immunity. CD27 binds to ligand CD70, and has a crucial role in regulating B-cell activation and immunoglobulin synthesis. The CD27 receptor transduces signals which result in the activation of NF-kappaB and MAPK8/JNK. Adaptor proteins TRAF2 and TRAF5 mediate the signaling process of CD27. CD27-binding protein (SIVA), which is a proapoptotic protein, can bind to the CD27 receptor and is believed to have a significant role in the apoptosis induced by CD27.	
Source	
HEK293 Cells.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The CD27 solution (0.5mg/ml) contains 10% Glycerol and Phosphate-Buffered Saline (pH 7.4).	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
ATPAPKSCPE RHYWAQGKLC CQMCEPGTFL VKDCDQHRKA AQCDPCIPGV SFSPDHHTRP HCESCRHCNS GLLVRNCTIT ANAECACRNG WQCRDKECTE CDPLPNPSLT ARSSQALSPH PQPTHLPYVS EMLEARTAGH	

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MQTLADFRQL PARTLSTHWP PQRSLCSSDF IR LEPKSCDK THTCPPCPAP ELLGGPSVFL FPPKPKDTLM ISRTPEVTCV VVDVSHEDPE VKFNWYVDGV EVHNAKTKPR EEQYNSTYRV VSVLTVLHQD WLNGKEYKCK VSNKALPAPI EKTISKAKGQ PREPQVYTLP PSRDELTKNQ VSLTCLVKGF YPSDIAVEWE SNGQPENNYK TTPPVLDSDG SFFLYSKLTV DKSRWQQGNV FSCSVMHEAL HNHYTQKSLS LSPGKHHHHH H

Biological Activity

ED50 range is ≤ 0.8 ug/ml. Defined by its binding ability in a functional ELISA with Human CD27 Ligand/TNFSF7 (CAT# cyt-953).

Precautions

CD27 Human, HEK is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P26842)