

CD27 Human

Description: CD27 Human Recombinant produced in E. coli is a single polypeptide chain containing 196 amino acids (21-191) and having a molecular mass of 21.8 kDa. CD27 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #: PRPS-1220

For research use only.

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.

Source: E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MGSHMTPAPK SCPERHYWAQ
GKLCCQMCEP GTFLVKDCDQ HRKAAQCDPC IPGVSFSPDH HTRPHCESCR HCNSGLLVNRN
CTITANAECA CRNGWQCRDK ECTECDPLPN PSLTARSSQA LSPHPQPTHL PYVSEMLEAR
TAGHMQTLAD FRQLPARTLS THWPPQRS LC SSDFIR

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:

The CD27 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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.

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