

PRODUCT DATA SHEET

COMPLEX

Complex Biotech Co., Ltd

CD27 Recombinant Protein

Catalog: BCP3328

Host: E.coli

Tag: His-tag

BackGround:

CD27 (TNFRSF7) is a transmembrane protein of the TNF receptor superfamily (TNFRSF). It is mainly expressed on lymphoid cells (also on early hematopoietic precursor cells in mice). CD27 is considered a phenotypic marker for memory B cells and is also used to identify B regulatory (Breg) cells. It is constitutively expressed on naïve CD4 and CD8 T cells and its expression is further upregulated upon T cell activation. CD27 is one of the two most important co-stimulatory receptors for T cell priming (the other one is CD28). While CD28 co-stimulatory signal mainly triggers cell proliferation, CD27 co-stimulatory signal primarily promotes cell survival and differentiation. Upon binding to its ligand CD70, CD27 activates the NF- κ B and JNK signaling pathways through TNFR associated factors (TRAFs), the adaptor molecules that are associated with CD27 cytoplasmic tail domain. Upon activation CD27 is shed from cell surface and soluble CD27 is used as a marker of T cell activation.

Product:

PBS, 4M Urea, PH7.4

Molecular Weight:

~22kDa

Swiss-Prot:

P26842

Purification&Purity:

Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).

Restriction Sites:

NdeI-XhoI

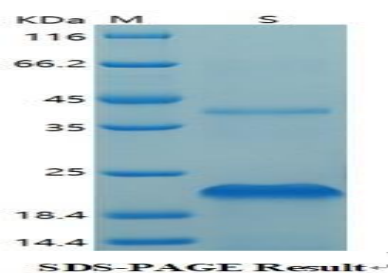
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Expression Vector:

pet-22b(+)

DATA:



Note:

For research use only, not for use in diagnostic procedure.