

CD70, 39-193aa, Human, His tag, Baculovirus

Cat.NO.: TP01530

3th Edition

Synonyms:CD70 antigen, CD27L, CD27LG, TNFSF7

Description:CD70, also known as CD70 antigen, is a transmembrane protein in the TNF receptor superfamily. It functions as a co-stimulatory molecule that supports lymphocyte activation and survival. This protein binds to the transmembrane glycoprotein CD27 ligand/CD70 which is expressed on activated B cells, activated T cells, and dendritic cells. Binding of CD70 to its receptor CD27 induces in priming, effector functions, differentiation and memory formation of T cell activation, and thus is proliferation of co-stimulated T cells, as well as the generation of cytolytic T cells. Recombinant human CD70, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:18.2kDa (164aa)

Sequences:

ADPQRFAQAQQQLPLESLGWDVAELQLNHTGPQQDPRLYWQGGPALGRSFLHGPELDKGQLRIHRDGIYMVHIQ
VTLAICSSTTASRHPTTLAVGICSPASRSISLLRLSFHQGCTIASQRLTPLARGDTLCTNLTGTLLPSRNTDETFFGV
QWVRPHHHHHH

Purity:> 95% by HPLC

Concentration:0.25mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.