

CD70/CHO

CBP74008

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I. Background

CD70, also known as TNFSF7, is a cytokine which binds to CD27. CD70 is involved in T-cell activation and induces the proliferation of costimulated T-cells. Moreover, TNFSF7 enhances the generation of cytolytic T-cells. This cytokine is also reported to play a role in regulating B-cell activation, cytotoxic function of natural killer cells, and immunoglobulin synthesis. Diseases associated with CD70 include acute myocarditis, arthritis, and other inflammatory disorders.

II. Description

Recombinant CHO cells constitutively expressing human CD70 (also known as Tumor Necrosis Factor Ligand Superfamily Member 7, TNFSF7, CD27 Ligand, Ki-24 antigen, CD27-L, and CD27LG; GenBank accession #NM_001252).

III. Introduction

Host Cell: CHO

Expressed gene: CD70



Stability: 32 passages (in-house test, that not means the cell line will be instable beyond the passages we tested.)

Synonym(s): Tumor Necrosis Factor Ligand Superfamily Member 7, TNFSF7, CD27 Ligand, Ki-24 antigen, CD27-L, CD27LG

Freeze Medium: 90% FBS+10% DMSO

Culture Medium: F12k+10%FBS+400ug/ml hygromycin

Mycoplasma Testing: Negative

Storage: Liquid nitrogen

Application(s): Ligand of CD27&Binding Assay,FACS

IV. Description of Host Cell Line

Organism: *Cricetulus griseus*, hamster, Chinese

Tissue: Ovary

Disease: Hamster Chinese ovary

Morphology: Epitheloid cell

Growth Properties: Adherent

V. Representative Data



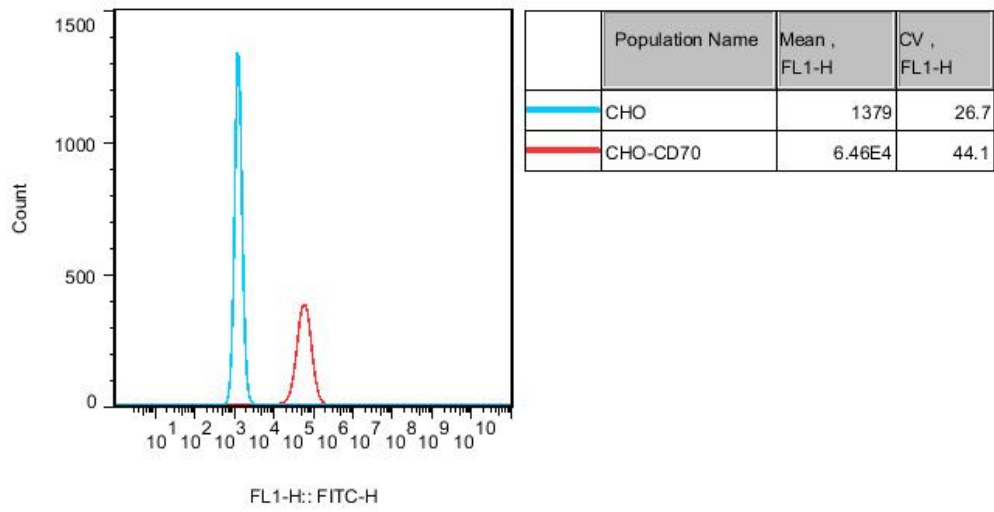


Figure 1. Recombinant CHO cells constitutively expressing human CD70.

