

HVEM/CHO

CBP74037

Contents

I. Background.....	1
II. Description.....	1
III. Introduction.....	1
IV. Description of Host Cell Line.....	2
V. Representative Data.....	2



HVEM/CHO

CBP74037

I. Background

HVEM (CD270, TNFRSF14) is a human cell surface receptor in the TNF-receptor superfamily that can act as both a co-stimulatory receptor and a co-inhibitory receptor expressed on the surface of T cells. Binding of HVEM to one of its ligands, LIGHT (CD258, TNFSF14) or LT α (lymphotoxin- α), causes a co-stimulatory signal which can activate lymphoid cells. Interaction with BTLA (CD272) or CD160 causes a co-inhibitory signal which negatively regulates T-cell immune responses. HVEM has also been shown to interact with adaptor proteins TRAF2 and TRAF5, and is critical to herpes simplex virus (HSV) cellular entry.

II. Description

Recombinant CHO stably expressing human HVEM (TNF receptor superfamily member 14; TNFRSF14; TR2; ATAR; HVEA; HVEM; CD270; LIGHTR; GenBank Accession #NM_003820).

III. Introduction

Host Cell: CHO



Expressed gene: HVEM

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

Synonym(s): HVEM, TNFRSF14, CD270, HVEA, TR2, LIGHTR

Freeze Medium: 90% FBS+10% DMSO

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

Mycoplasma Testing: Negative

Storage: Liquid nitrogen

Application(s): 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



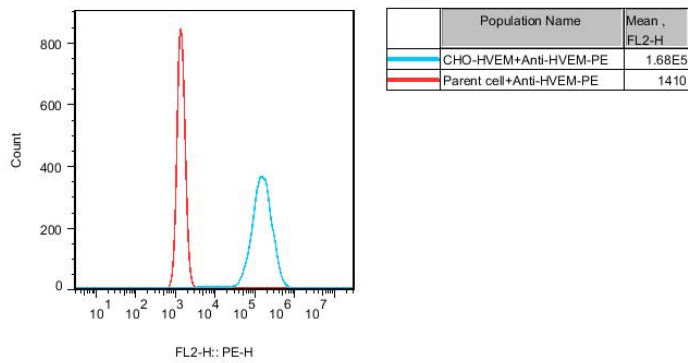


Figure 1. Recombinant CHO stably expressing human HVEM (TNF receptor superfamily member 14; TNFRSF14; TR2; ATAR; HVEA; HVEM; CD270; LIGHTR; GenBank Accession #NM_003820).

