

PVRIG (CD112R) Effector Reporter Cell

CBP74120

Contents

I. Background.....	1
II. Description.....	1
III. Introduction.....	1
IV. Representative Data.....	2



PVRIG (CD112R) Effector Reporter Cell CBP74120

I. Background

PVRIG (CD112R) is an regulatory protein expressed on T-cells which inhibits immune activation when binding to its counterpart on APCs, PVRL2 (CD112, Nectin-2). Since both PVRL2 and PVR can activate DNAM-1 (CD226), PVRIG works synergistically with and separately from TIGIT. PVRL2 is overexpressed in a variety of tumor types, including breast and ovarian cancers, suggesting that its interaction with PVRIG is a major mechanism of immune suppression in those diseases.

II. Description

Human secreted CD112R, also known as Poliovirus Receptor-related Immunoglobulin Domain-containing Protein (PVRIG), GenBank Accession No. NM_024070, a.a. 41-172, with C-terminal Fc-Fusion-Avi-tag, expressed in a HEK293 cell expression system and enzymatically biotin-labeled using AviTag technology. MW = 42 kDa.

III. Introduction

Expressed gene: PVRIG(CD112R)



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

Synonym(s): Poliovirus Receptor-related Immunoglobulin

Domain-containing Protein, Transmembrane Protein PVRIG, 79270-1, 79270-2

Freeze Medium: 90% FBS+10% DMSO

Culture Medium: RPMI-1640+10%FBS+800ug/ml hygromycin+1ug/ml puromycin

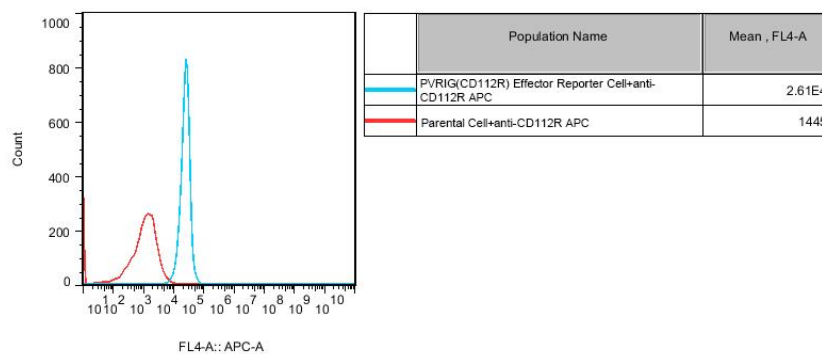
+1ug/ml puromycin

Mycoplasma Testing: Negative

Storage: Liquid nitrogen

Application(s):Functional(Report Gene) Assay

IV. Representative Data



Dose Response of PVRIG Blocking Antibody in PVRIG(CD112R) Effector Reporter Cells (Clone 7) With CD112 / TCR Activator - CHO Cells

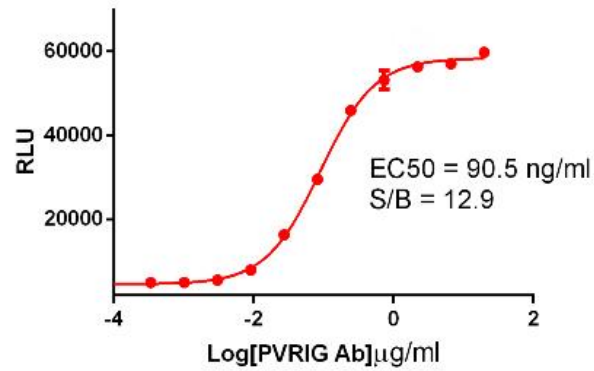


Figure1. Dose Response of PVRIG Blocking Antibody in PVRIG(CD112R) Effector Reporter Cells (Clone 7) With CD112/TCR Activator - CHO Cells.

