

PDL1/HEK293

CBP74001

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I. Background

The binding of Programmed Cell Death Protein 1 (PD-1), a receptor expressed on activated T-cells, to its ligands, PD-L1 and PD-L2, negatively regulates immune responses. The PD-1 ligands are found on most cancers, and PD-1:PD-L1/2 interaction inhibits T cell activity and allows cancer cells to escape immune surveillance. The PD-1:PD-L1/2 pathway is also involved in regulating autoimmune responses, making these proteins promising therapeutic targets for a number of cancers, as well as multiple sclerosis, arthritis, lupus, and type I diabetes.

II. Description

Recombinant HEK293 cells constitutively expressing human PD-L1 (Programmed Cell Death 1 Ligand 1, CD274, B7 homolog 1 (B7- H1), GenBank accession #NM_014143).

III. Introduction

Host Cell: HEK293

Expressed gene: PDL1



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

Synonym(s): Programmed Cell Death 1 Ligand 1, PDL1, PD-L1, B7 homolog 1, B7H1, B7-H1, CD274, PDCD1L1

Freeze Medium: 90% FBS+10% DMSO

Culture Medium: DMEM +10%FBS+100ug/ml hygromycin

Mycoplasma Testing: Negative

Storage: Liquid nitrogen

Application(s): Binding Assay,FACS

IV. Description of Host Cell Line

Organism: Homo sapiens, human

Tissue: Embryonic kidney

Disease: Normal

Morphology: Epitheloid cell

Growth Properties: Adherent

V. Representative Data



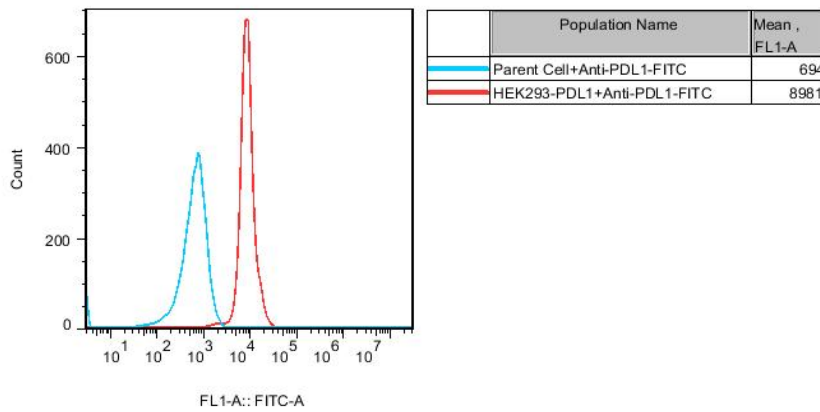


Figure 1. Recombinant HEK293 cells constitutively expressing human PD-L1 (Programmed Cell Death 1 Ligand 1, CD274, B7 homolog 1 (B7-H1), GenBank accession #NM_014143).

