

TCR Activator/Raji

CBP74015

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TCR Activator/Raji

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I. Background

N/A

II. Description

Recombinant RAJI cell constitutively expressing a membrane bound, engineered T cell receptor (TCR) activator.

III. Introduction

Host Cell: Raji

Expressed gene: TCR activator

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

Freeze Medium: 90% FBS+10% DMSO

Culture Medium: RPMI-1640+10%FBS+400ug/ml hygromycin

Mycoplasma Testing: Negative

Storage: Liquid nitrogen

Application(s):Functional(Report Gene) Assay



IV. Description of Host Cell Line

Organism: Homo sapiens, human

Tissue: Lymphoblast

Disease: Burkitt's lymphoma

Morphology: Lymphoblast

Growth Properties: Suspension

V. Representative Data

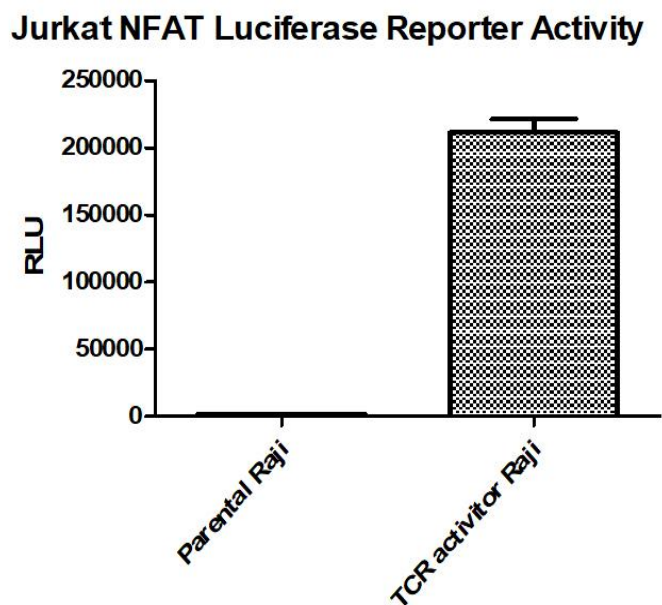


Figure 1. Jurkat NFAT Luciferase Reporter Activity.



Response of IL-2-Luciferase Reporter Jurkat Cell Line (C29) to Raji TCR Activator Cell Line

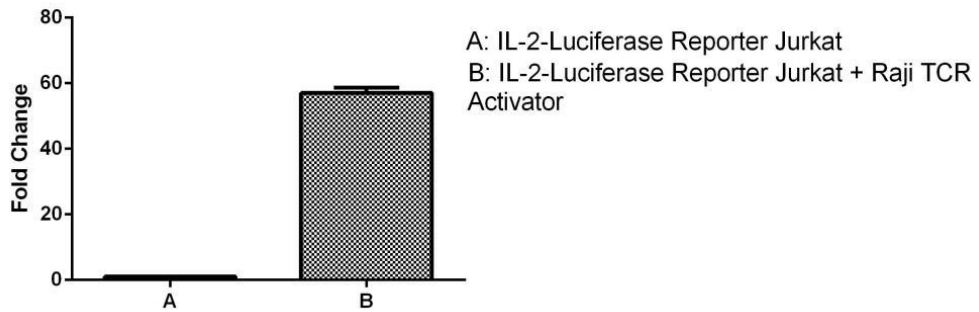
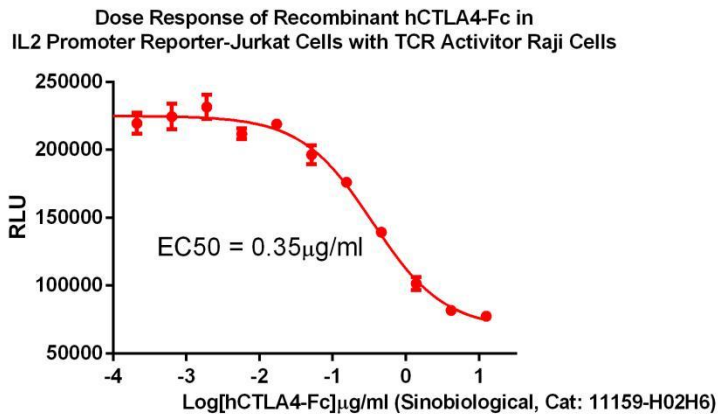


Figure 2. Response of IL-2-Luciferase Reporter Jurkat Cell Line (C29) to Raji TCR Activator Cell Line.



CD80/CD86&CD28 Blockade Assay
Assay specifics: E:T ratio = 15:1; Raji TCR Activator Cells as Target Cells;

Figure 3. Dose Response of Recombinant hCTLA4-Fc in IL2 Promoter Reporter-Jurkat Cells with TCR Activator Raji Cells.

