hGM-CSF Effector Reporter Cell

CBP74149

Contents

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I. Background

Granulocyte-macrophage colony-stimulating factor (GM-CSF) is a cytokine stimulating the production of granulocytes and monocytes from bone marrow precursors. GM-CSF had pro-inflammatory functions and is a therapeutic target in autoimmune disease. GM-CSF signals through JAK2/STAT5 and stimulates the expression of STAT5 target genes.

II. Introduction

Expressed gene: hGM-CSF

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 +100ug/ml hygromycin+2 ng/ml GM-CSF

Mycoplasma Testing: Negative

Storage: Liquid nitrogen

Application(s): Functional(Report Gene) Assay

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III. Representative Data

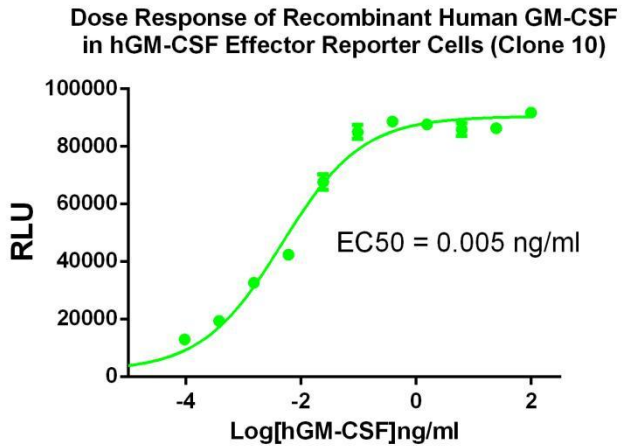

Figure 1. Dose Response of Recombinant Human GM-CSF in hGM-CSF Effector Reporter Cells (Clone 10).

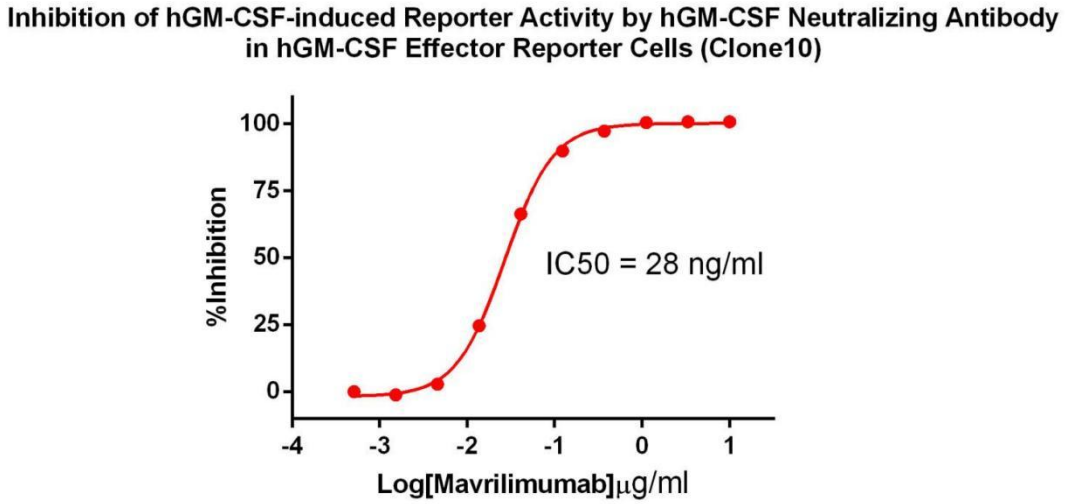

Figure 2. Inhibition of hGM-CSF-induced Reporter Activity by hGM-CSF Neutralizing Antibody in hGM-CSF Effector Reporter Cells (Clone 10).

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