STAT5-Luc/BaF3

CBPB0001

Contents

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I. Background

After activation by cytokines or growth factors, endogenous STAT5 binds to the DNA response elements, inducing transcription of the luciferase reporter gene.

II. Description

The STAT5 Reporter (Luc)-Ba/F3 cell line is designed for monitoring STAT5 signal transduction pathways. It contains a firefly luciferase gene driven by the STAT5 response element located upstream of the minimal TATA promoter.

III. Introduction

Host Cell: BaF3

Expressed gene: STAT5-Luciferase

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

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Email: sales@cobioer.com
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Culture Medium: RPMI-1640+10%FBS+10ng/ml IL-3+200ug/ml hygromycin

Mycoplasma Testing: Negative

Storage: Liquid nitrogen

IV. Representative Data

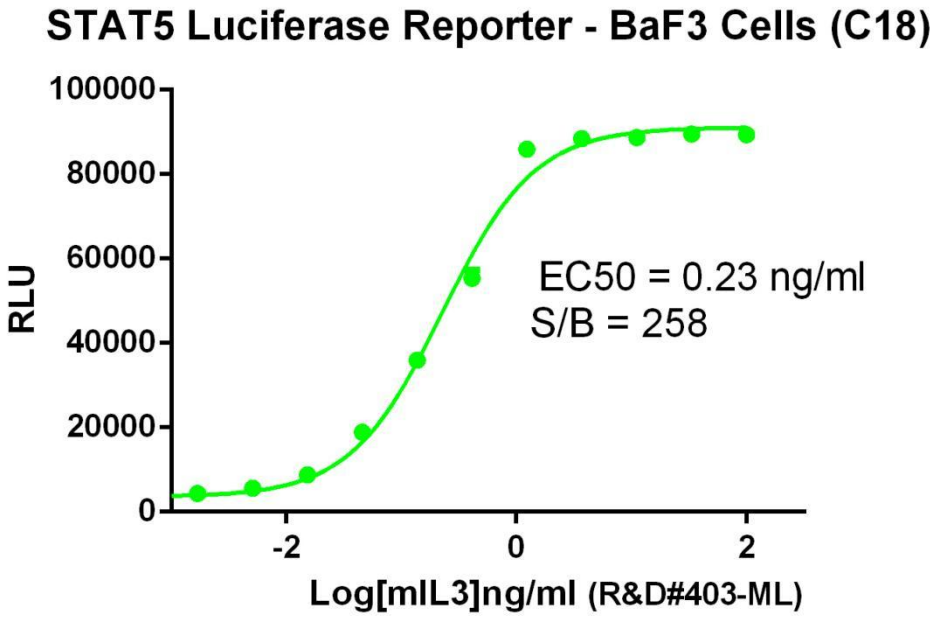

Figure 1. Detect Luciferase assay by Ultra Luciferase Detection Kit CBPH0001（we strongly suggest to purchase from Cobioer). STAT5 Luciferase Reporter - BaF3 Cells (C18)，the EC50 was 0.23ng/ml.

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