

图 1 报告基因法细胞株构建流程

案例

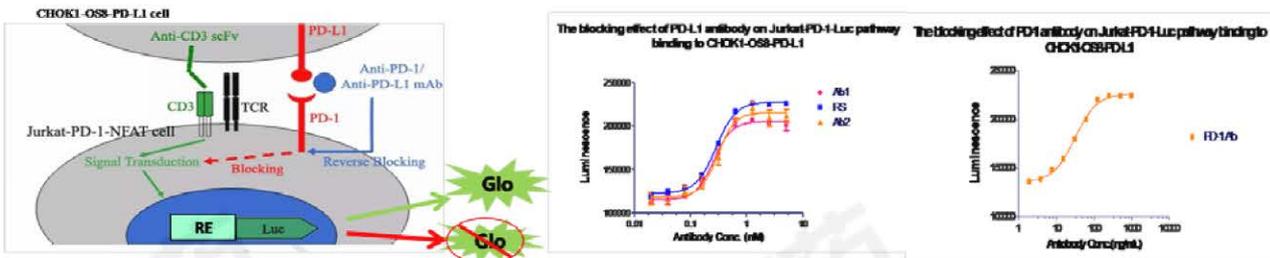


图 2: PD-1/PD-L1 报告基因法作用机制

GFP 报告基因

绿色荧光蛋白(Green fluorescent protein, 简称 GFP), 是一个由约 238 个氨基酸组成的蛋白质, 从蓝光到紫外线都能使其激发, 发出绿色荧光。由于荧光蛋白能稳定在后代遗传, 并且能根据启动子特异性地表达, 在需要定量或其他实验中慢慢取代了传统的化学染料。

案例

GFP 质粒转染 MCF-7 细胞 24h 后, 荧光显微镜镜检 GFP 表达情况 (荧光和白光视野对照)

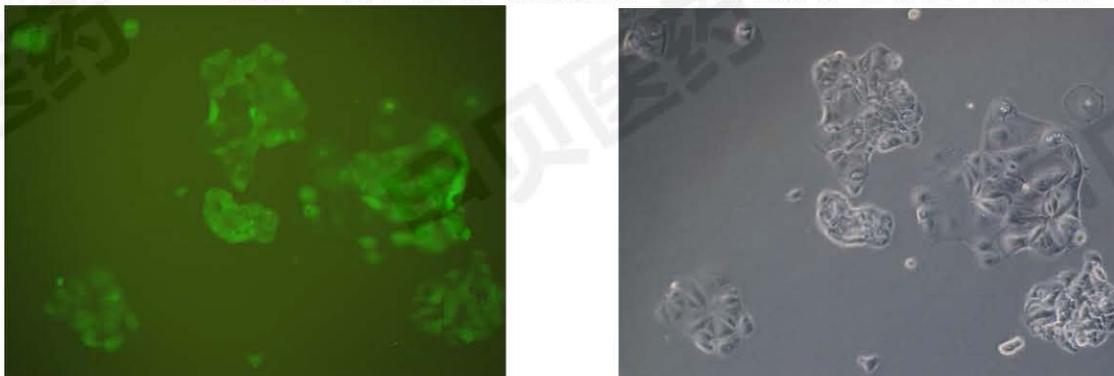
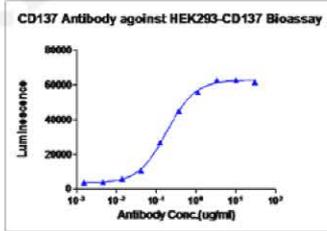
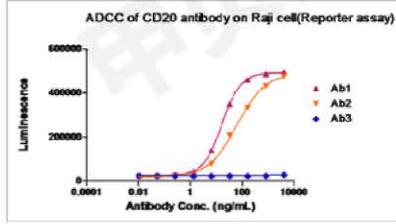


图 3: MCF-7 细胞表达 GFP 质粒

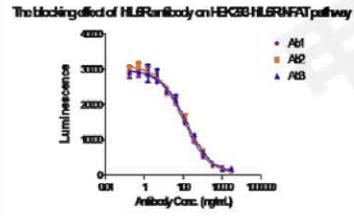
甲贝平台报告基因细胞株案例



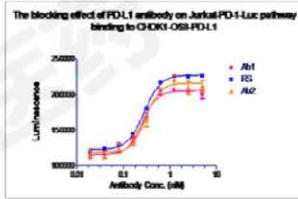
CD137 Ab Luciferase reporter assay



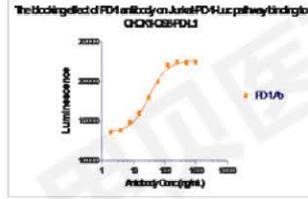
ADCC(158V) reporter assay



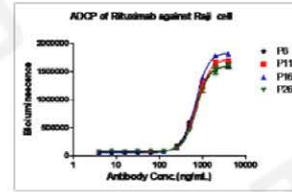
IL6/IL6R Ab reporter assay



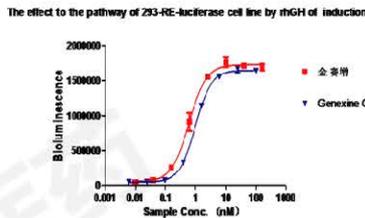
PD-1 Ab Luciferase reporter assay



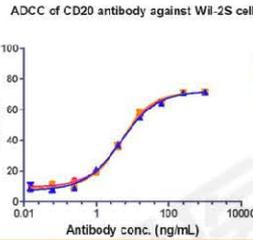
PD-L1 Ab Luciferase reporter assay



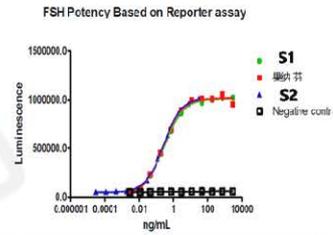
ADCC reporter assay



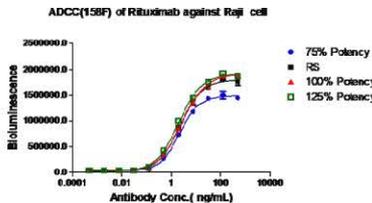
hGH Luciferase reporter assay



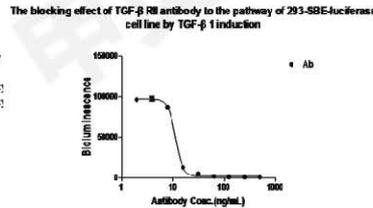
ADCC induced by NK92/CD16a



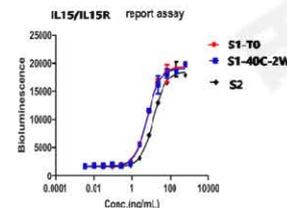
hFSH Luciferase reporter assay



ADCC(158F) Luciferase reporter assay



TGFβ reporter assay



IL15/IL15R reporter assay