CREATIVE BIOMART®
Assay Kit

Mouse PD-1[Biotinylated]:PD-L1 Inhibitor Screening Assay Kit

Product Information

Cat.No. Kit-1784

Product Overview

Cell signaling through the PD-1 receptor upon binding the PD-L1 ligand attenuates immune responses and is exploited by both tumors and viruses for immune evasion.

Size

96 reactions

Description

The Mouse PD-1[Biotinylated]:PD-L1 Inhibitor Screening Assay Kit is designed for screening and profiling inhibitors of this signaling. The key to this kit is the high sensitivity of detection of biotin-labeled PD-1 by streptavidin-HRP. Only a few simple steps on a microtiter plate are required for the assay. First, mouse PD-L1 is coated on a 96-well plate. Next, mouse PD-1 is incubated with mouse PD-L1 on the plate. Finally, the plate is treated with streptavidin-HRP followed by addition of an HRP substrate to produce chemiluminescence, which can then be measured using a chemiluminescence reader.

Applications

This kit is perfect for screening for inhibitors of mouse PD-L1 binding to mouse PD-1.

Storage

One year from date of receipt when stored as directed.

Kit Components

Mouse PD-L1, Fc fusion: 30 µg; -80°C Mouse PD-1, Fc fusion, Biotin-labeled: 10 µg; -80°C Streptavidin-HRP: 15 µl; -80°C 3x PD-1 Assay Buffer: 50 ml; -20°C Blocking buffer: 50 ml; +4°C HRP chemiluminescent substrate A (transparent bottle): 6 ml; +4°C HRP chemiluminescent substrate B (brown bottle): 6 ml; +4°C White 96-well microplate: 1; +4°C

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