CREATIVE BIOMART®
Assay Kit

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

Product Information

Cat.No. Kit-1811

Size

96 reactions

Description

Cell signaling through the PD-1 receptor upon binding the PD-L1 ligand attenuates immune responses and is exploited by both tumors and viruses. The PD-1:PDL1[Biotinylated] Inhibitor Screening Colorimetric Assay Kit is designed for screening inhibitors of PD-L1 ligand binding to PD-1 receptor. The key to this kit is the high affinity of biotin-labeled PD-L1 for streptavidin-HRP. Only a few simple steps on a microtiter plate are required for the assay. First, PD-1 is coated on a 96-well plate. Next, PD-L1 is incubated with PD-1 on the plate. Finally, the plate is treated with streptavidin-HRP followed by addition of a colorimetric HRP substrate to produce color, which can then be measured using a UV/Vis spectrophotometer microplate reader.

Applications

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

Storage

Stable at least 6 months from date of receipt, when stored as directed. Kit components require different storage conditions. Be sure to store each component at the proper temperature upon arrival.

Kit Components

PD-L1, Biotin-labeled: 5 µg; -80°C PD-1: 10 µg; -80°C Streptavidin-HRP: 15 µl; +4°C 3x PD-1 assay buffer: 50 ml; -20°C Blocking buffer: 50 ml; +4°C Colorimetric HRP substrate: 10 ml; +4°C Transparent 96-well microplate: 1; +4°C

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