CREATIVE BIOMART®
Assay Kit

PD-1:PD-L2 TR-FRET Assay Kit

Product Information

Cat.No. Kit-1813

Product Overview

Cell signaling through the PD-1 receptor upon binding the PD-L2 ligand attenuates immune responses and is exploited by both tumors and viruses.

Size

384 reactions

Description

The PD-1:PD-L2 TR-FRET Assay Kit is designed to measure the inhibition of PD-1 binding to PD-L2 in a homogeneous 384 reaction format. Cell signaling through the PD-1 receptor upon binding the PD-L2 ligand attenuates immune responses and is exploited by both tumors and viruses. This FRET-based assay requires no time-consuming washing steps, making it especially suitable for high throughput screening applications. The assay procedure is straightforward and simple; a sample containing europium-labeled (Eu) PD-1, dye-labeled acceptor, biotin-labeled PD-L2, and an inhibitor is incubated for two hours. Then, the fluorescence intensity is measured using a fluorescence reader.

Applications

Great for screening small molecular inhibitors for drug discovery and HTS applications.

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-1-Eu: 2 µg; -80°C PD-L2, Biotinylated: 20 µg; -80°C Dye-labeled acceptor: 2 x 10 µl; -20°C 3x PD-1 TR FRET: 4 ml; -20°C White, Nonbinding, low volume, 384-well microtiter plate: 1; Room temp.

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA