CREATIVE BIOMART®
Assay Kit

OX40[Biotinylated]:OX40L Inhibitor Screening Assay Kit

Product Information

Cat.No. Kit-1789

Product Overview

OX40 (CD134) is a co-stimulatory receptor expressed on the surface of T cells. Binding of OX40 to its ligand, OX40L (CD252), present on dendritic cells, potentiates T cell activation and T cell effector function. Studies have shown that OX40 agonists can increase anti-tumor immunity and improve tumor-free survival in pre-clinical studies. Alternatively, OX40 antagonists offer potential as therapeutics for inflammatory diseases.

Size

96 reactions

Description

The OX40[Biotinylated]:OX40L Inhibitor Screening Assay Kit is designed for screening and profiling inhibitors of OX40:OX40L interaction. The key to this kit is the high sensitivity of detection of biotinlabeled OX40 by streptavidin-HRP. Only a few simple steps on a microtiter plate are required for the assay. First, OX40L is coated on a 96-well plate. Next, OX40-biotin is incubated with OX40L 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 useful for screening for inhibitors of OX40 binding to OX40L.

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

OX40L (CD252), His-tag: 25 µg; -80°C OX40 (CD134) biotin-labeled, His-tag: 3 µg; -80°C Streptavidin-HRP: 15 µl; -80°C 3x OX40 Assay Buffer: 50 ml; -80°CBlocking buffer: 50 ml; +4°C HRP

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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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