CREATIVE BIOMART®
Assay Kit

TR-FRET LXR beta Coactivator Assay Kit, rabbit

Product Information

Cat

Kit-0968

Common Name

TR-FRET

Cat.No. Kit-0968

Description

The TR-FRET LXR (liver X receptor) beta Coactivator Assay provides a sensitive and robust method for high-throughput screening of potential LXR beta ligands as agonists of coactivator recruitment. The kit uses a terbium (Tb)-labeled anti-GST antibody, a fluorescein-labeled coactivator peptide, and an LXR beta ligand-binding domain (LBD) that is tagged with glutathione-S-transferase (GST), in a homogeneous mix-and-read assay format.
How it works:
In theTR-FRET LXR beta Coactivator Assay, LXR beta-LBD is added to ligand test compounds followed by the addition of a mixture of the fluorescein-coactivator peptide and Tb-labeled anti-GST antibody. After an incubation period at room temperature, the 520 nm/495 nm TR-FRET ratio is calculated and can be used to determine the EC50 from a dose response curve of the compound. Based on the biology of the LXR beta-coactivator peptide interaction, this ligand EC50 is a composite value representing the amount of ligand required to bind to receptor, effect a conformational change, and recruit coactivator peptide.

Applications

Nuclear Receptor Assay

Storage

Tb-anti-GST Antibody (Rabbit): Store at -20 °C
LXR beta-LBD, GST: Store at -80 °C
Fluoroscein Coactivator Peptide: Store at -20 °C
TR-FRET Coregulatore Buffer i: Store at 4 °C

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

CREATIVE BIOMART®
Assay Kit

TR-FRET LXR beta Coactivator Assay Kit, rabbit

1M DTT: Store at -20 °C or -80 °C

Size

800 x 20 µL assays

Kit Components

The TR-FRET LXR beta Coactivator Assay Kitcontains LXR beta-LBD (GST) protein, fluorescently labeled D22 coactivator peptide, Tb-labeled anti-GST antibody, and buffers. Store components as indicated in the assay protocol (-80°C, -20°C, or +4°C).

Materials Required but Not Supplied

Microplate Reader

Detection method Fluorescent

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