



# TR-FRET LXR alpha Coactivator Assay Kit, goat

## Product Information

### Cat

Kit-0958

### Common Name

TR-FRET

### Cat.No.

Kit-0958

### Description

The TR-FRET LXR (liver X receptor) alpha Coactivator Assay provides a sensitive and robust method for high-throughput screening of potential LXR alpha ligands as agonists of coactivator recruitment. The kit uses a terbium (Tb)-labeled anti-GST antibody, a fluorescein-labeled coactivator peptide, and an LXR alpha ligand-binding domain (LBD) that is tagged with glutathione-S-transferase (GST), in a homogeneous mix-and-read assay format.

In the TR-FRET LXR alpha Coactivator Assay, LXR alpha-LBD is added to ligand test compounds followed by 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 EC<sub>50</sub> from a dose response curve of the compound. Based on the biology of the LXR alpha-coactivator peptide interaction, this ligand EC<sub>50</sub> is a composite value representing the amount of ligand required to bind to receptor, effect a conformational change, and recruit coactivator peptide.

### Applications

Co-Factor Interaction Assay

### Storage

Store in ultra-cold freezer (-68 to -85°C).

### Shipping

Dry Ice



## TR-FRET LXR alpha Coactivator Assay Kit, goat

### Size

800 x 20 µL assays

### Kit Components

The TR-FRET LXR alpha Coactivator Assay Kit contains LXR alpha-LBD (GST) protein, fluorescently labeled TRAP220/DRIP-2 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