

TR-FRET RXR beta Coactivator Assay Kit, goat

Cat. No. Kit-0954 Lot. No. (See product label)

SPECIFICATION

Product Overview

The TR-FRET Retinoid X Receptor (RXR) beta Coactivator Assay Kit provides a sensitive and robust method for high-throughput screening of potential RXR beta ligands as agonists of coactivator recruitment. The homogeneous mix-and-read assay format results in a ligand EC50 composite value representing the amount of ligand required to bind to receptor, effect a conformational change, and recruit coactivator peptide.

Description

How it works

The TR-FRET RXR beta Coactivator Assay Kit includes a terbium (Tb)-labeled anti-GST antibody, a fluorescein-labeled coactivator peptide, and a human RXR beta ligand-binding domain (RXR beta-LBD) that is tagged with glutathione-S-transferase (GST). To assay, the RXR beta-LBD is added to ligand test compounds, followed by addition of a mixture of the fluorescein-coactivator peptide and Tb-anti-GST antibody. After room temperature incubation, the TR-FRET 520: 495 emission ratio is calculated and used to determine the EC50 from a dose response curve of the compound

Applications Co-Factor Interaction Assay

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

Shipping Dry Ice

Size 800 x 20 µ assays

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Kit Components	The TR-FRET RXR beta Coactivator Assay Kit contains RXR beta-LBD (GST) protein, fluorescein-labeled D22 coactivator peptide, Tb-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

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