

TR-FRET ERR beta Coactivator Assay Kit, goat

Cat. No. Kit-0912 **Lot. No.** (See product label)

SPECIFICATION

Product Overview

The TR-FRET ERR (estrogen related receptor) beta Coactivator Assay Kit provides a sensitive and robust method for highthroughput screening of potential ERR beta ligands as inverse agonists of ligand-dependent coactivator displacement. The kit uses a terbium (Tb)-labeled anti-GST antibody, a fluorescein-labeled coactivator peptide, and a human recombinant ERR beta ligand-binding domain (ERR beta-LBD) that is tagged with glutathione-S-transferase (GST) in a homogeneous mix-and-read assay format.

Description

To assay:

When running the ERR beta TR-FRET Coactivator Assay, ERR beta-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 EC₅₀ from a dose response curve of the compound.

Based on the biology of the ERR 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 displace coactivator peptide.

Applications

Co-Factor Interaction Assay

Storage

The TR-FRET ERR beta Coactivator Assay Kit contains ERR beta-LBD (GST) protein, fluorescently labeled PGC1a coactivator peptide, Tb-labeled anti-GST antibody, and buffers.

Store components as indicated in the assay protocol (-80°C, -20°C, or +4°C).

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Shipping	Dry Ice
Size	800 x 20 μ assays
Materials Required but Not Supplied	Microplate Reader
Detection method	Fluorescent

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA