CREATIVE BIOMART®
Assay Kit

TR-FRET ERR gamma Coactivator Assay Kit, rabbit

Product Information

Cat

Kit-0911

Common Name

TR-FRET

Cat.No. Kit-0911

Description

The TR-FRET Estrogen Related Receptor (ERR) gamma Coactivator Assay Kit provides a sensitive and robust method for high-throughput screening of potential ERR gamma ligands as antagonists/inverse agonists of coactivator displacement. 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 displace coactivator peptide.
How it works
The TR-FRET ERR gamma Coactivator Assay Kit includes a terbium (Tb)-labeled anti-GST antibody, a fluorescein-labeled coactivator peptide, and a human ERR gamma ligand-binding domain (ERR gamma-LBD) that is tagged with glutathione-S-transferase (GST). To assay, ERR gamma-LBD is added to 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

Nuclear Receptor Assay

Storage

Tb-anti-GST Antibody (Rabbit): Store at -20 °C
ERR gamma-LBD, GST: Store at -80 °C
Fluoroscein Coactivator Peptide: Store at -20 °C
TR-FRET Coregulatore Buffer B: Store at 4 °C
1M DTT: Store at -20 °C or -80 °C

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Size
800 x 20 µL assays
Kit Components
The TR-FRET ERR gamma Coactivator Assay Kit contains ERR gamma-LBD (GST) protein, fluorescently labeled PGC1a 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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