TR-FRET LXR alpha Coactivator Assay Kit, rabbit

Cat. No. Kit-0962 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
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 EC50 from a dose response curve of the compound. Based on the biology of the LXR alpha-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 alpha-LBD, GST: Store at -80 °C Fluoroscein Coactivator Peptide: Store at -20 °C TR-FRET Coregulatore Buffer H: Store at 4 °C 1M DTT: Store at -20 °C or -80 °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

Size	800 x 20 µ assays
Kit Components	TheTR-FRET LXR alpha Coactivator Assay Kitcontains 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

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