TR-FRET RAR gamma Coactivator Assay Kit, goat

Cat. No. Kit-0937 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Description	The TR-FRET Retinoic Acid Receptor (RAR) gamma Coactivator Assay Kit provides a sensitive and robust method for high-throughput screening of potential RAR gamma 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. How it works The TR-FRET RAR gamma Coactivator Assay Kit includes a terbium (Tb)-labeled anti-GST antibody, a fluorescein-labeled coactivator peptide, and a human RAR gamma ligand-binding domain (RAR gamma-LBD) that is tagged with glutathione-S-transferase (GST). To assay, RAR gamma-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

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

Kit Components	The TR-FRET RAR gamma Coactivator Assay Kit contains RAR gamma-LBD (GST) protein, fluorescein-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

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