TR-FRET ERR gamma Coactivator Assay Kit, goat

Cat. No. Kit-0933 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
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	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 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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