TR-FRET PXR (SXR) Competitive Binding Assay Kit, goat

Cat. No. Kit-0904 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Description	The TR-FRET PXR (SXR) Competitive Binding Assay Kit provides a sensitive and robust method for high-throughput screening (HTS) of ligands for the pregnane X receptor (PXR), also known as the steroid and xenobiotic receptor (SXR). The kit uses a terbium (Tb)-labeled anti-GST antibody, a fluorescent small-molecule PXR ligand (PXR (SXR) Green), and a human PXR (SXR) ligand-binding domain that is tagged with glutathione S-transferase (GST) in a homogeneous mix-and-read assay format. To assay: When running the TR-FRET PXR (SXR) competitive binding assay, a Tb-labeled anti-GST antibody is used to indirectly label the receptor by binding to its GST tag. Competitive ligand binding is detected by a test compound's ability to displace a fluorescent ligand (tracer) from the receptor, which results in a loss of FRET signal between the Tb-anti-GST antibody and the tracer. This type of binding assay is analogous to radioligand-based assays, except that it eliminates handling of radioactivity and enables a homogeneous, addition-only " format.
Applications	Competitive Binding Assay
Storage	Store in ultra-cold freezer (-68 to -85°C).
Shipping	Dry Ice
Size	800 x 20 µ assays

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Materials Required but Not Supplied	Microplate Reader
Detection method	Fluorescent

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