



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

## Product Information

### Cat

Kit-0904

### Common Name

TR-FRET

### Cat.No.

Kit-0904

### 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



CREATIVE BIOMART<sup>®</sup>  
Assay Kit

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### Size

800 x 20  $\mu$ L assays

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### Materials Required but Not Supplied

Microplate Reader

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**Detection method** Fluorescent

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