CREATIVE BIOMART®
Assay Kit

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

Size

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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800 x 20 µL assays

Materials Required but Not Supplied

Microplate Reader

Detection method Fluorescent

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