

YOUR PARTNER IN PROTEIN BIOCHEMISTRY



rent-a-lab is a contract research organization providing services mainly in the field of radioactive bioassays.

Services are customized to meet specific needs ranging from individual small-scale to microplate solutions for medium-throughput screening (MTS).

We offer:

Receptor binding:

- saturation analysis
- homologous displacement
- heterologous displacement

with [³H]- or [¹²⁵I]-labeled ligands either on membrane fragments or intact cells.

Receptor mutagenesis studies:

- Production and characterization of transiently transfected cell lines
- EC₅₀-determination of test compounds on receptor variants

Ex vivo- receptor binding assays:

Determination of *in vivo*-receptor occupancy after test compound application in rat or mice.

GPCR-pharmacology (functional) via [³⁵S]GTPγS binding tests:

- **classic**
for the measurement of G-protein activation
- **Gα-subtyp-specific**

Radioimmunoassays (RIAs):

with [³H]- or [¹²⁵I]-labeled tracers to quantify your molecule of interest in

- blood serum/plasma
- tissue extracts etc.

Enzym assays:

radiometric or with absorption read-out

Transporter assays:

native or expressed in oocytes

Please visit our homepage for details:

www.rent-a-lab.biz