

# Data Sheet

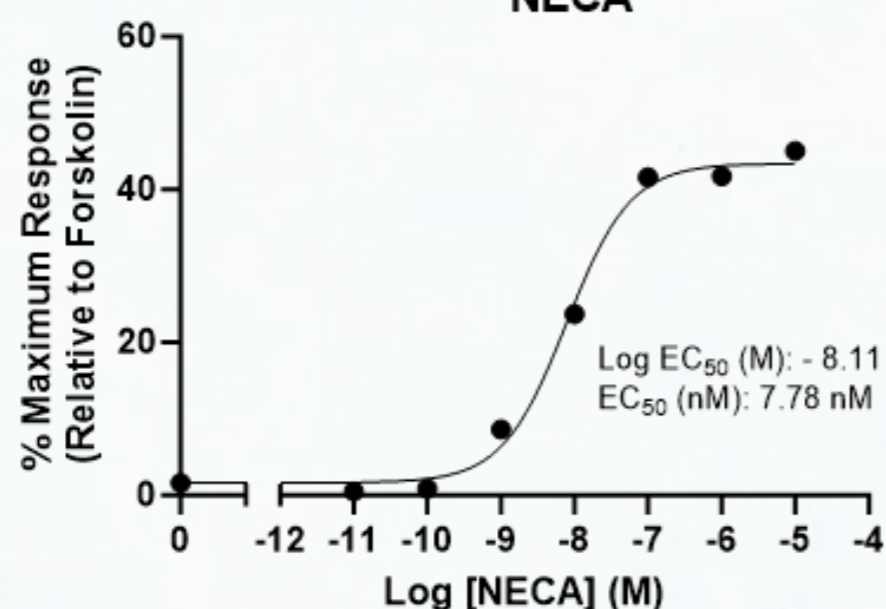
## Functional GPCR Assay

### Examples

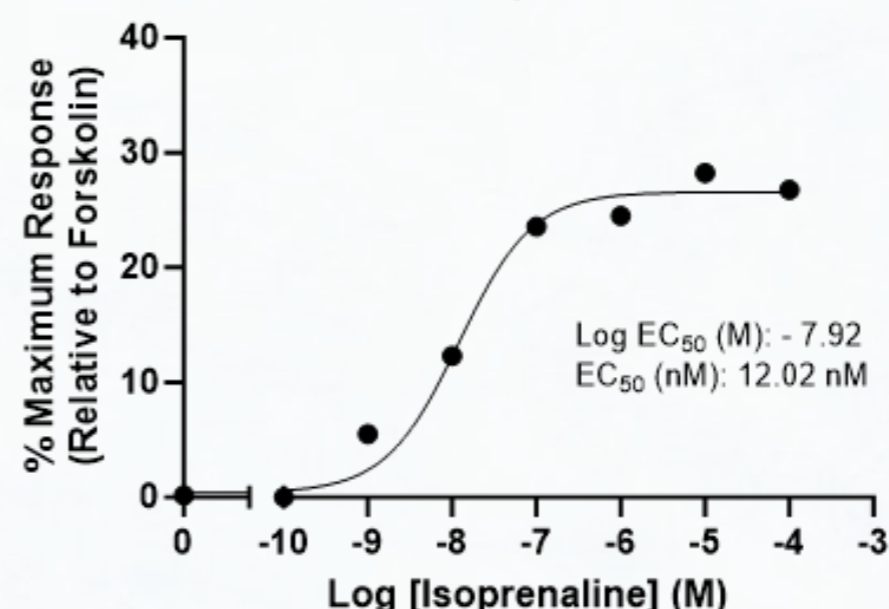
Gifford Bioscience offers functional GPCR assays to provide information on receptor pharmacology. We can perform screening to identify full agonists, partial agonists, antagonists, inverse agonists and investigate ligand bias.

#### cAMP ASSAY: G<sub>s</sub> COUPLED RECEPTORS - AGONISTS

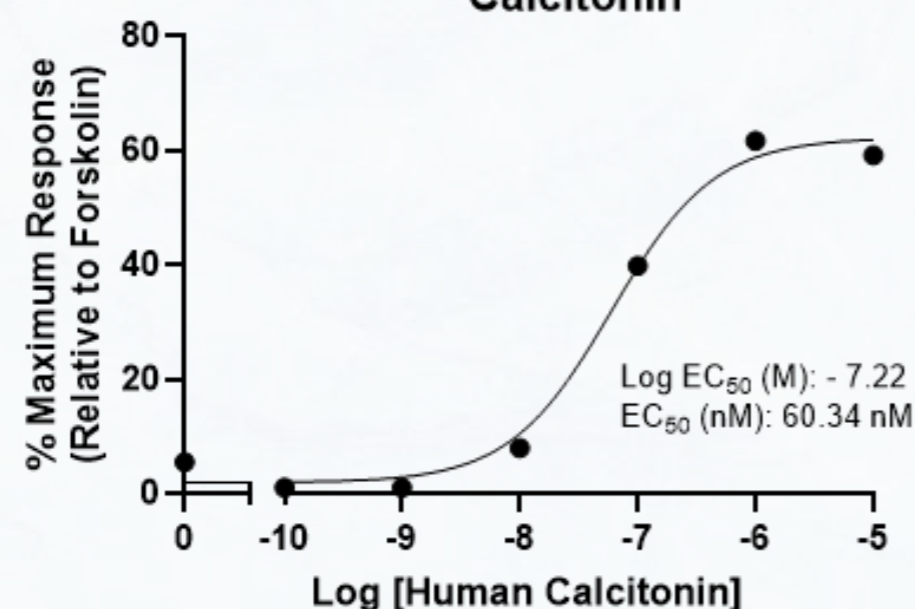
cAMP Production in CHO K1 Cells Expressing Human Adenosine 2a Receptors Treated with NECA



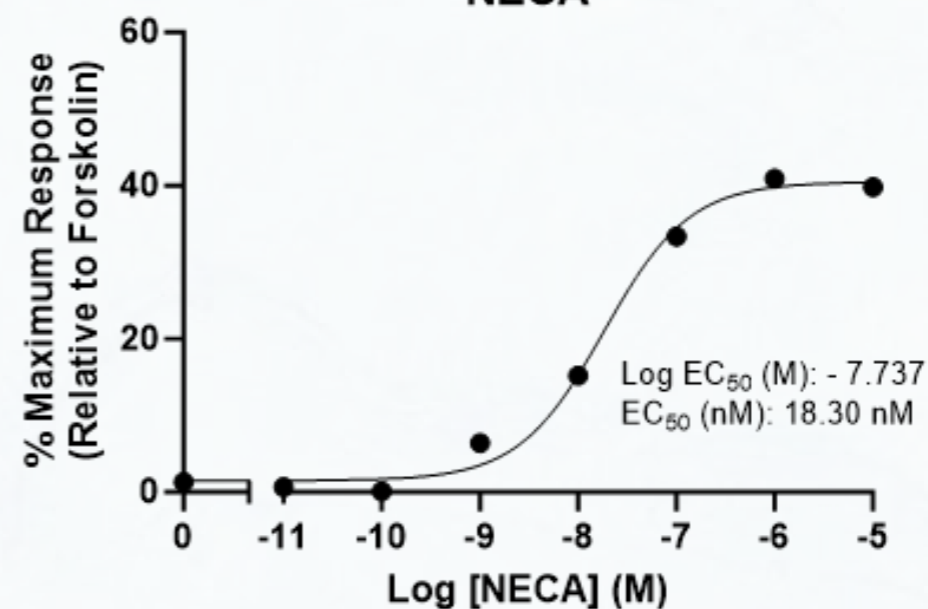
cAMP Production in HEK293T Cells Treated with Isoprenaline



cAMP Production in CHO K1 Cells Expressing Human Calcitonin Receptors Treated with Human Calcitonin



cAMP Production in HEK293T Cells Expressing Human Adenosine 2a Receptors Treated with NECA



#### cAMP ASSAY: G<sub>s</sub> COUPLED RECEPTORS - ANTAGONISTS

Inhibition of NECA-stimulated cAMP production by ZM241385 in HEK293T Cells Expressing Human Adenosine 2a Receptors

