



4. **Measurement:** Measure fluorescence (Ex/Em = 330/430 nm) in a kinetic mode for 1-2 hr at 37°C.

5. **Calculations:** Choose two time points ( $T_1$  &  $T_2$ ) in the linear range of the plot and obtain the corresponding values for the fluorescence (RFU<sub>1</sub> and RFU<sub>2</sub>). Calculate the slope for all samples,  $\Delta\text{RFU}/\Delta T$ .

$$\% \text{ Relative activity} = \frac{\Delta \text{ RFU of S}}{\Delta \text{ RFU of EC}} \times 100$$

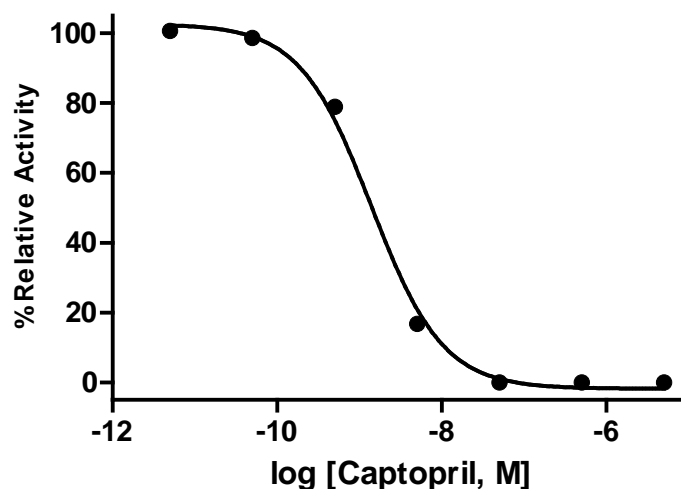


Figure: Inhibition of ACE1 activity by ACE1 Inhibitor Captopril ( $\text{IC}_{50} = 1.46 \text{ nM}$  ( $n = 3$ )). Assay was performed following the kit protocol.

#### VII. RELATED PRODUCTS:

ACE antibody (CT) (6703)  
Angiotensin II, human (4917)

AGT antibody (NT) (6709)

Renin Inhibitor Screening Kit (Fluorometric) (K799)

ACE2 (human) ELISA kit (K4918)  
AGT antibody (CT) (6708)  
Renin Activity Fluorometric assay kit (K800)

***FOR RESEARCH USE ONLY! Not to be used on humans.***