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ProductInformation

Angiotensin II Receptor Type I, Human

Product Number **A 8602**

Product Description
Angiotensin II Receptor Type I, human is a frozen aliquot of membranes from KAN-TS cells.

Reagent
Angiotensin II Receptor Type I, human membranes are suspended in 50 mM TRIS-HCl containing 10% glycerol, 100 mM NaCl, 1 mM $MgCl_2$, 0.1% BSA, 0.1mM bacitracin (pH 7.2 at 25°C).

Procedure
Thaw vials quickly; dilute with incubation buffer; homogenize; store on ice until addition to assay tubes

Incubation buffer:
50 mM TRIS-HCl, containing100 mM NaCl, 1 mM $MgCl_2$, 0.1 mM Bacitracin, 0.1 % BSA (pH 7.2 at 25°C).

Binding Protocol
Membranes:
Dilute in incubation buffer (0.2 mL of membrane + 20 mL incubation buffer).

Assay mixture:
200 µl diluted membranes
25 µl radioligand
25 µl buffer or unlabeled ligand

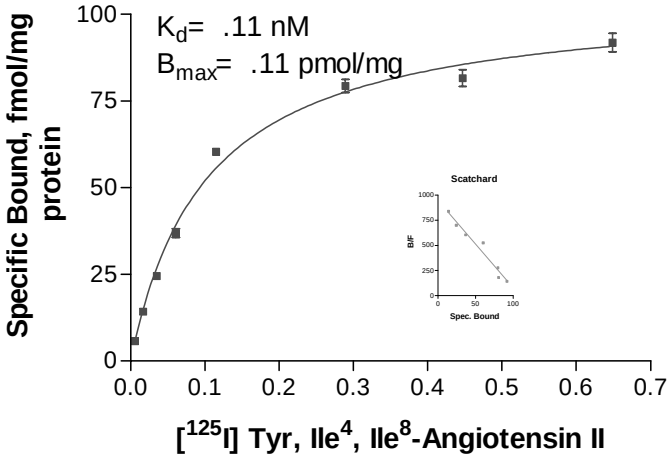
Radioligand:
Sar^1, Tyr^4- [^{125}I], Ile^8-Angiotensin II at a final concentration of 0.06 nM for competition studies.

Unlabeled ligand:
Angiotensin II at a concentration of 1.0 µM

Incubation time:
180 minutes at 25 °C

Separation:
Over GF/B filter (presoaked in 0.1 % polyethylamine prepared in incubation buffer) then washed 5x with 1ml per tube of ice cold 50 mM NaCl, pH 7.4 at 4 °C.

Results
Typical results using standard binding assay above. Results may vary from lot to lot.



Storage/Stability
Store tightly sealed at –70 °C. The receptor can retain its original specific activity for several months when stored at –70 °C in its original packing solution. Repeated freeze-thaw of this product is not recommended.

Precautions
While no human toxicity data is available for this substance, it should be handled with care. Precautions should be taken to avoid contact by all routes of exposure.

References
1. Bennett, J.P. and Snyder, S.H., *Jrnl. Biol. Chem*. **251,** 7423-7430 (1976).
2. Wiest, S.A., et al., *Jrnl. Cardio. Pharmacol.,* **17,** 177-184 (1991).

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