

Product Information

Endothelin_A Receptor Preparation, Human

Product Number **E 7155**

Product Description

Endothelin_A Receptor Preparation, human is a frozen aliquot of membranes.

Reagent

Endothelin_A Receptor Preparation, human membranes are suspended in 50 mM TRIS-HCl containing 0.1% Bacitracin, 0.5 mM CaCl₂, and 10% sucrose, (pH 7.4 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 containing 0.1% BSA and 0.5mM CaCl₂, (pH 7.4 at 25°C)

Binding Protocol

Membranes:

Dilute in incubation buffer (100 unit aliquot of membrane + 20 mL incubation buffer).

Assay mixture:

200 µl diluted membranes
 25 µl radioligand
 25 µl unlabeled ligand

Radioligand:

25 µl of [¹²⁵I] Endothelin-1 (0.033 nM final)

Unlabeled ligand:

25 µl Endothelin-1 (0.1 µM final)

Incubation time:

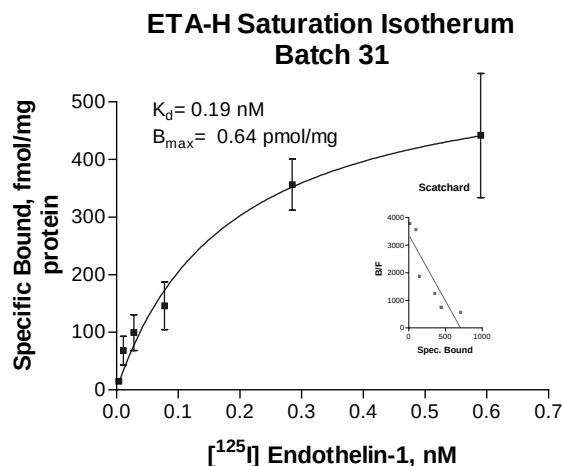
3 hours at 37 °C

Separation:

Over GF/C filter (presoaked in 0.3 % 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

Consult the MSDS for information regarding hazardous and safe handling practices.

mct/jk 3/2004

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