

Product Information

β₁-Adrenergic Receptor Preparation, human

Product Number **A 6728**

Product Description

β₁-Adrenergic Receptor Preparation, human is a frozen aliquot of membranes.

Reagent

β₁-Adrenergic A Receptor Preparation, human membranes are suspended in 50 mM TRIS-HCl containing 12 mM MgCl₂ and 2 mM EDTA, (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 12 mM MgCl₂ and 2 mM EDTA, (pH 7.4 at 25°C)

Binding Protocol

Membranes:

Dilute in incubation buffer (100 unit aliquot of membrane + 40 mL incubation buffer).

Assay mixture:

400 μl diluted membranes
 50 μl radioligand
 50 μl unlabeled ligand

Radioligand:

50 μl of [¹²⁵I] cyanopindolol (0.05 nM final)

Unlabeled ligand:

50 μl alprenolol (1.0 μM final)

Incubation time:

2 hours at 25 °C

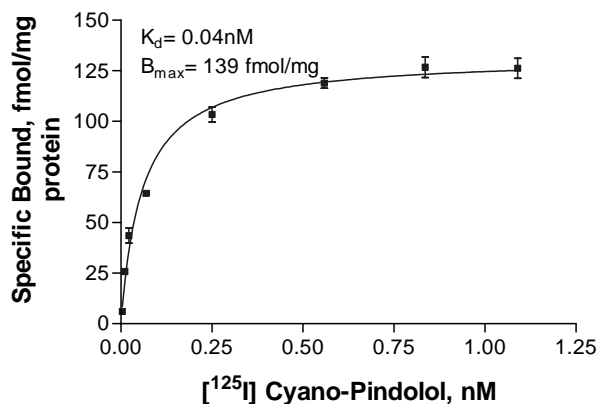
Separation:

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.

Ab1 Saturation Isotherm Batch 32



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.

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