

## Product Information

### α<sub>2A</sub> -Adrenergic Receptor Preparation, human

Product Number **A 6853**

#### Product Description

α<sub>2A</sub>-Adrenergic Receptor Preparation, human is a frozen aliquot of membranes.

#### Reagent

α<sub>2A</sub> -Adrenergic Receptor Preparation, human membranes are suspended in 50 mM TRIS-HCl containing 10% sucrose, (pH 7.65 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, (pH 7.5 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 [<sup>3</sup>H] MK912 (0.75 nM final)

#### Unlabeled ligand:

50 μl Oxymetazoline (1.0 μM final)

#### Incubation time:

60 minutes at 25 °C

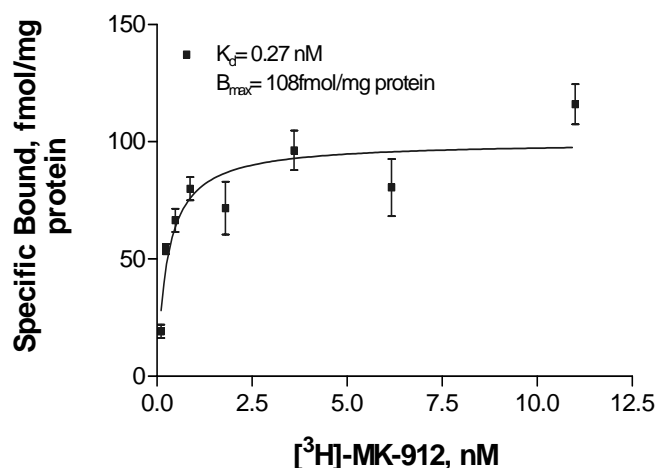
#### Separation:

Over GF/B filter (presoaked in 0.5 % 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.

#### Alpha 2a Saturation Isotherm



#### 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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