



Human OX₁ Orexin Receptor Membranes

Catalog #A174; Batch 810

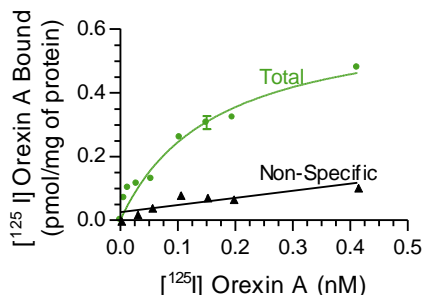
PRODUCT DESCRIPTION: Frozen membranes from CHO-K1 cells expressing recombinant human OX₁ orexin receptors.

SPECIFICATIONS:

- B_{max}** for [¹²⁵I]-orexin A binding: 0.65 pmol/mg
- K_d** for [¹²⁵I]-orexin A binding: 164 pM
- Host cell:** CHO-K1
- GenBank** Accession Number: NM_001525. Protein variation at G280A which is a polymorphism reported by AK290521.1

PACKAGING: 250 ul of membrane suspension in storage buffer (10 mM Tris HCl pH 7.5, 10% sucrose) at a protein concentration of 5 mg/mL

REPRESENTATIVE DATA:



RECOMMENDED ASSAY CONDITIONS. Thaw vials rapidly. Incubate 5 ug of protein and [¹²⁵I]-orexin A in assay buffer (25 mM Hepes, 5 mM MgCl₂, 1 mM CaCl₂, 0.5% BSA, 0.05% Tween, pH 7.4) for 30 mins at 27°C. Filter over GF/C filters (pre-treated with 0.5% polyethylenimine); wash filters rapidly with ice-cold wash buffer (50 mM Tris-HCl pH 7.4). Count filters. Non-specific binding defined with 10 uM orexin A. Under these conditions, we obtained the representative data shown above.

STORAGE RECOMMENDATIONS: Storage at -80°C is recommended. Repeated freeze-thawing of this product is not recommended.

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