

RECEPTOR MEMBRANE PRODUCT SPEC SHEET

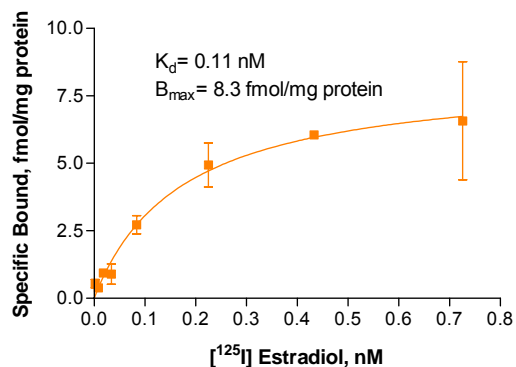
Estrogen (Human)

CAT #: ESTRA-100
Lot #: 72
K_d: [¹²⁵I] Estradiol = 0.12 nM
B_{max} (Receptor density): 8.3 fmol/mg protein
Protein Concentration: 19.8 mg/1.0 mL
Packaging: Membranes Membranes are suspended in 25 mM TRIS-HCl (pH 7.4 at 25°C) containing 1.5 mM EDTA, 1 mM DTT, 25 mM Na molybdate
Volume per vial: 1.0 mL
Assay Procedure: Thaw vials quickly; dilute with assay buffer; homogenize; store on ice until addition to assay tubes

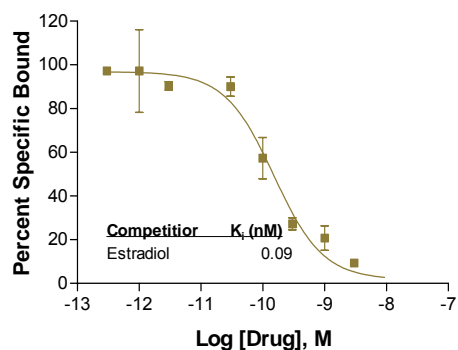
Assay buffer: 25 mM TRIS-HCl (pH 7.4 at 25°C) containing 1.5 mM EDTA, 1 mM DTT, 25 mM Na molybdate
 Assay volume: 250 µl
 Radioligand: 25 µl of [¹²⁵I] estradiol (0.1 nM final)
 Non-specific: 25 µl estradiol (10 nM final)
 Receptor: 200 µl of receptor suspension. Resuspend 100 unit aliquot in 20 ml (1:80) of assay buffer
 Incubation Time: 18-22 hours
 Incubation Temp: 4°C
 Filters: N/A, charcoal/dextran capture of unbound ligand
 Wash buffer: 50 mM NaCl, wash 5 times with 1 ml per tube.

[¹²⁵I] Estradiol Binding to human Estrogen Receptors – Batch #72

Estrogen Saturation Analysis Lot# 72



IC50/Ki Competition Experiments - Lot# 72



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