

RECEPTOR MEMBRANE PRODUCT SPEC SHEET

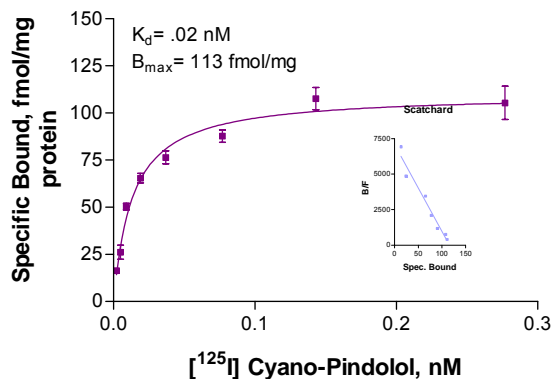
Beta 1 Adrenergic (Human)

CAT #:	Ab1-100 and Ab1-400
Lot #:	48
K_d:	[¹²⁵ I] Cyanolpindolol = 0.02 nM
B_{max} (Receptor density):	113 fmol/mg protein
Protein Concentration:	Ab1-100: 4.0mg/0.25ml Ab1-400: 16.0mg/ml
Packaging:	Membranes are suspended in 50 mM 50 mM TRIS-HCl containing 12 mM MgCl ₂ and 2 mM EDTA, (pH 7.4 at 25°C).
Volume per vial:	Ab1-100: 0.25ml Ab1-400: 1.0ml
Assay Procedure:	Thaw vials quickly; dilute with assay buffer; homogenize; store on ice until addition to assay tubes

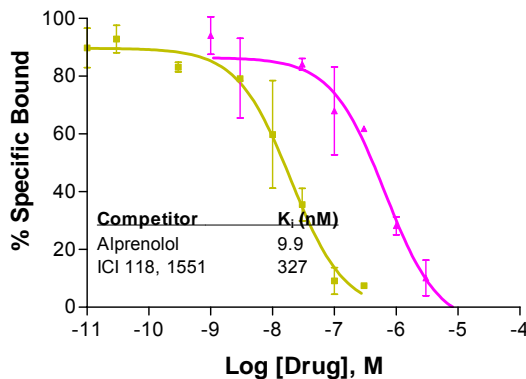
Assay buffer:	50 mM TRIS-HCl, containing 12 mM MgCl ₂ and 2 mM EDTA, (pH 7.4 at 25°C)
Assay volume:	500 μl
Radioligand:	50 μl of [³ H] Cyanolpindolol (0.05 nM final)
Non-specific:	50 μl Alprenolol (1.0 μM final)
Receptor:	400 μl of receptor suspension. Resuspend 100 units in 20 ml and 400 units in 80 ml
Incubation Time:	120 minutes
Incubation Temp:	25°C
Filters:	GF/C, pretreated with 0.3% PEI
Wash buffer:	50 mM NaCl, wash 5 times with 1 ml per tube.

[¹²⁵I]-Cyanolpindolol binding to Human Beta 1 Adrenergic - Lot# 48

**Ab1 (h) Saturation Analysis
Lot 48**



Ab1 (h) Competition Experiments



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