Caliper LifeSciences
Discovery Alliances & Services

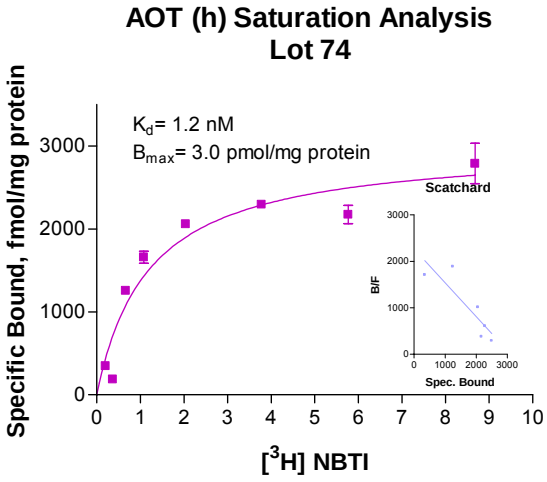
RECEPTOR MEMBRANE PRODUCT SPEC SHEET

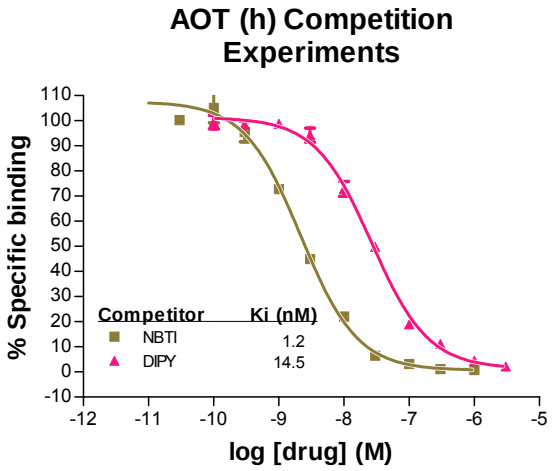
Adenosine Transporter (Human)

CAT #:	AOT-100 and AOT-400
Lot #:	74
K_d:	[^{3}H] NBTI = 1.2 nM
B_{max} (Receptor density):	3.0 pmol/mg protein
Protein Concentration:	AOT-100: 4.0mg/0.75ml
	AOT-400: 16.0mg/3ml
Packaging:	Membranes are suspended in 50 mM TRIS-HCl containing10% sucrose, (pH 7.4 at 25°C).
Volume per vial:	AOT-100: 0.75ml
	AOT-400: 3.0ml
Assay Procedure:	Thaw vials quickly; dilute with assay buffer; homogenize; store on ice until addition to assay tubes

Assay buffer:	50 mM TRIS-HCl, (pH 7.4 at 25°C)
Assay volume:	250 µl
Radioligand:	25 µl of [^{3}H] NBTI (3 nM final)
Non-specific:	25 µl NBTI (1.0 µM final)
Receptor:	200 µl of receptor suspension. Resuspend 100 units in 20 ml and 400 units in 80 ml
Incubation Time:	60 minutes
Incubation Temp:	25°C
Filters:	GF/B
Wash buffer:	50 mM NaCl, wash 5 times with 1 ml per tube.

[^{3}H]-NBTI binding to Human Adenosine Transporter - Lot# 74





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