

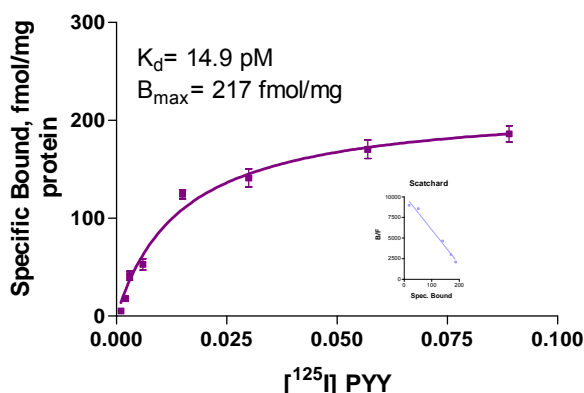
## RECEPTOR MEMBRANE PRODUCT SPEC SHEET

### Neuropeptide Y subtype 2 (Human)

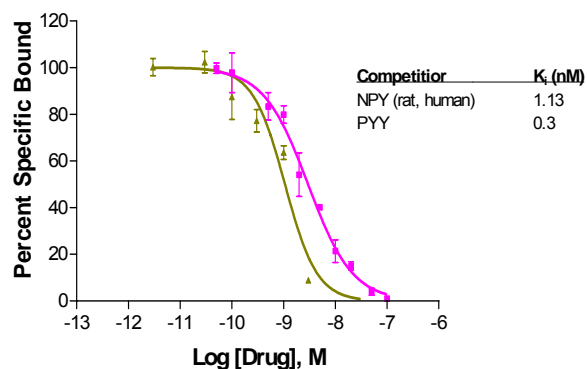
<b>CAT #:</b>	NPY-100
<b>Lot #:</b>	83
<b>K<sub>d</sub>:</b>	[ <sup>125</sup> I] PYY = 14.9 pM
<b>B<sub>max</sub> (Receptor density):</b>	217 fmol/mg protein
<b>Protein Concentration:</b>	NPY-100: 1.0mg/ml
<b>Packaging:</b>	Membranes are suspended in 50 mM TRIS-HCl containing 5 mM MgCl <sub>2</sub> , 0.1% BSA and 10% glycerol (pH 7.7 at 25°C).
<b>Volume per vial:</b>	NPY-100: 1.0ml
<b>Assay Procedure:</b>	Thaw vials quickly; dilute with assay buffer; homogenize; store on ice until addition to assay tubes
Assay buffer:	50 mM TRIS-HCl, (pH 7.7 at 25°C) containing 5 mM MgCl <sub>2</sub> , 0.1% BSA
Assay volume:	250 μl
Radioligand:	25 μl of [ <sup>125</sup> I] PYY (25 pM final)
Non-specific:	25 μl NPY (rat, human) (0.1 μM final)
Receptor:	200 μl of receptor suspension. Resuspend 100 units in 20 ml.
Incubation Time:	60 minutes
Incubation Temp:	RT
Filters:	GF/C pretreated with 0.1% PEI
Wash buffer:	50 mM NaCl, wash 5 times with 1 ml per tube.

### [<sup>125</sup>I]-PYY binding to Neuropeptide Y subtype 2 (Human)- Lot# 83

**NPY2 Saturation Analysis  
Lot 83**



**NPY-2 Competition  
Experiments**



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