

# PRODUCT INFORMATION (PGE501-2)



## CHO Cell Line Expressing Human Dopamine D<sub>2L</sub> Receptor

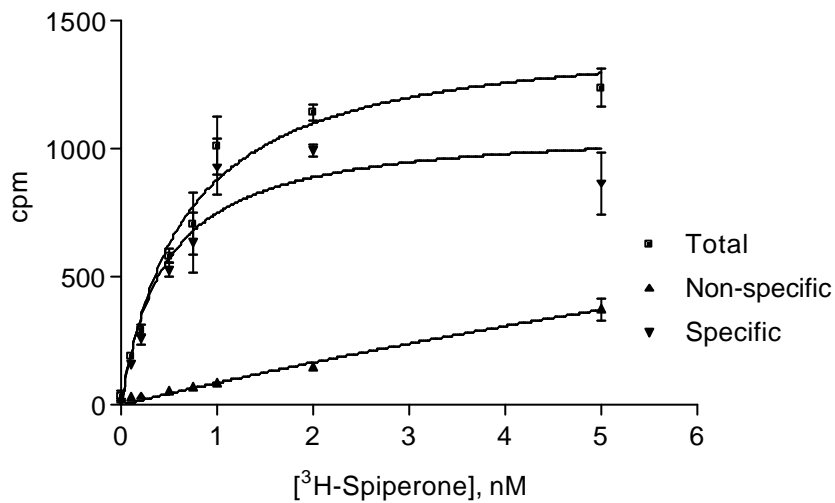
Source DNA

Human dopamine D<sub>2L</sub> receptor (M29066)

Host Cell Type

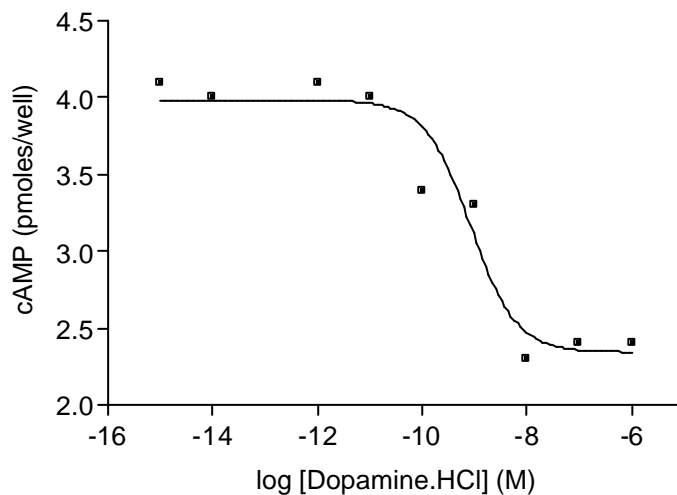
DG44 (*dhfr-/dhfr-*)

### Saturation Binding Assay



Ligand	[ <i>phenyl-4-<sup>3</sup>H] Spiperone</i>
K <sub>d</sub>	0.46 ± 0.13 nM
B <sub>max</sub>	1.4 ± 0.13 pmol/mg protein

### Functional Assay



Increasing concentrations of dopamine were shown to inhibit forskolin-stimulated cAMP formation in CHO cell line expressing rhD<sub>2L</sub>R. An EC<sub>50</sub> for dopamine was estimated to be 7.1x10<sup>-10</sup> M.