

# PRODUCT INFORMATION (PGE503-2)

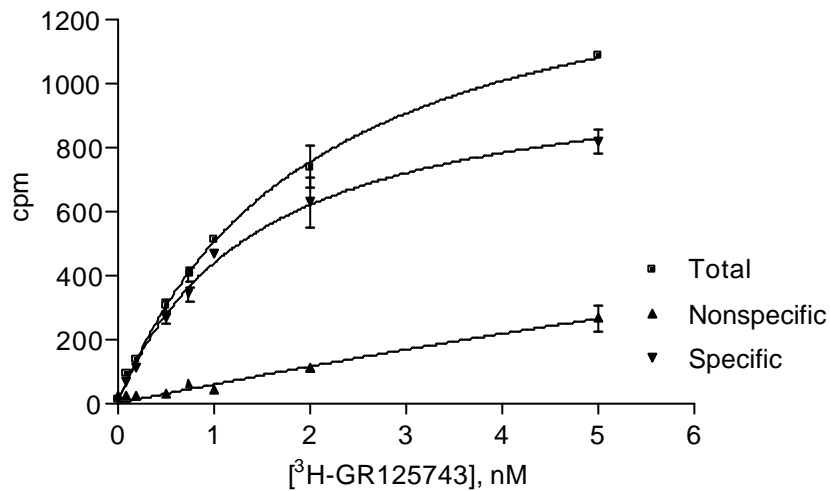


## CHO Cell Line Expressing Human 5-HT<sub>1B</sub> Serotonin Receptor

Source DNA Human 5-HT<sub>1B</sub> serotonin receptor (D10995.1)

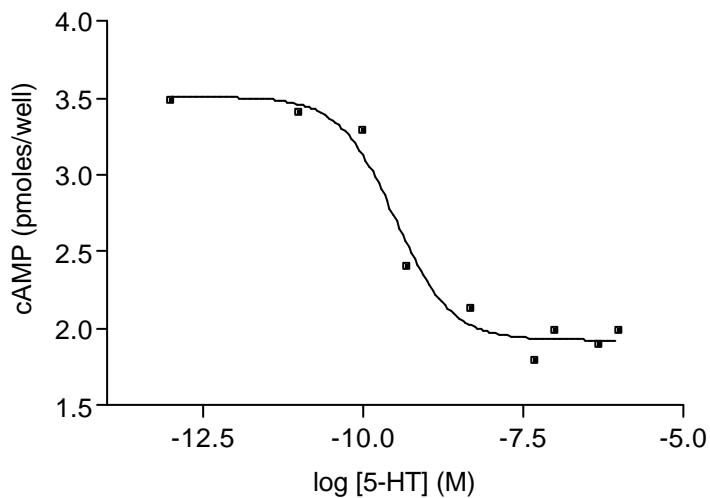
Host Cell Type DG44 (*dhfr*-/*dhfr*-)

### Saturation Binding Assay



|                  |                                  |
|------------------|----------------------------------|
| Ligand           | [ <i>N</i> -methyl-3H]-GR-125743 |
| K <sub>d</sub>   | 1.434 ± 0.17 nM                  |
| B <sub>max</sub> | 2 ± 0.11 pmol/mg protein         |

### Functional Assay



Increasing concentrations of 5-HT were shown to inhibit forskolin-stimulated cAMP formation in CHO cell line expressing rh5HT<sub>1B</sub>R. An EC<sub>50</sub> for 5-HT was estimated to be 3.2x10<sup>-10</sup> M.