**Table 2. Parameters obtained from the analysis of axial lsFCS data on NCI-1703 cells.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Receptor | LRP6-mCherry | LRP6-tdTomato | LRP6-tdTomato | xKremen2-mCherry | xKremen2-mCherry, LRP6 |
| Receptor gene insertion | Stable transfection | Transient transfection | CRISPR/Cas9 genome editing | Transient transfection | Transienttransfection |
| Ligand | DKK2-eGFP | DKK1-eGFP | DKK1-eGFP | DKK1-eGFP | DKK1-eGFP |
| Receptor density (µm‒2) a | 32 ± 16 | 106 ± 52 | 21 ± 15 | 44 ± 33 | 41 ± 30 |
| *K*D (nM) | 0.26 ± 0.04 | 0.22 ± 0.03 | 0.10 ± 0.02 | 10.3 ± 2.1 | 0.54 ± 0.06 |
| *β* | 0.43 ± 0.02 | 0.51 ± 0.02 | 0.26 ± 0.01 | 0.45 ± 0.02 | 0.66 ± 0.03 |
| *DG* (µm2 s‒1) b | 0.27 ± 0.08 | 0.35 ± 0.19 | 0.27 ± 0.19 | 0.25 ± 0.15 | 0.32 ± 0.18 |
| *DR*(µm2 s‒1) b | 0.30 ± 0.07 | 0.44 ± 0.34 | 0.39 ± 0.19 | 0.19 ± 0.08 | 0.27 ± 0.09 |
| $\left〈γ\_{G}\right〉$ c | 1.22 ± 0.17 | 1.31 ± 0.15 | 1.47 ± 0.25 | 1.36 ± 0.22 | 1.30 ± 0.22 |
| $\left〈γ\_{R}\right〉$ c | 1.41 ± 0.19 | 1.41 ± 0.16 | 1.66 ± 0.39 | 1.42 ± 0.29 | 1.35 ± 0.16 |

a Receptor densities were calculated from the amplitudes of the receptor autocorrelation functions, *G*R(0), and the observation area (0.20 µm2).

b Diffusion coefficients of receptor-bound ligands and receptors were calculated from the translational diffusion times by using *D* = *ω*02/4*τ*.

c The photobleaching parameters 〈*γ*〉 are given as the median of the distribution from all scans; the errors denote half the width of the second and third quartile of the distribution.