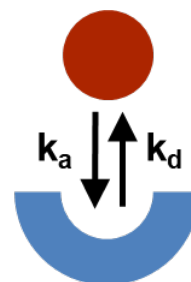# Available models in TraceDrawer for kinetics evaluation

One to one

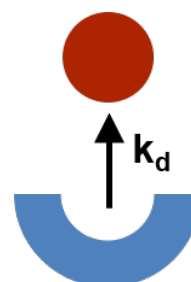One monovalent ligand binding to one type of target.

One to one Fit BI

One monovalent ligand binding to one type of target, taking a concentration dependent bulk effect into account.

Dissociation rate

One monovalent ligand dissociating from one type of target, i.e. a fit of only the dissociation phase of a one to one interaction.
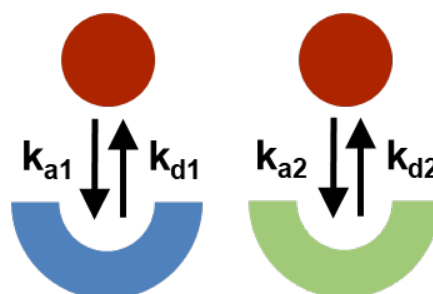
One to two

One monovalent ligand binding to two types of target independently/in parallel.
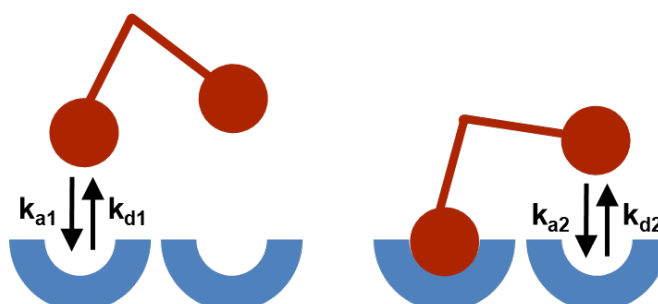
One to two Fit BI

One monovalent ligand binding to two types of target, taking a concentration dependent bulk effect into account.
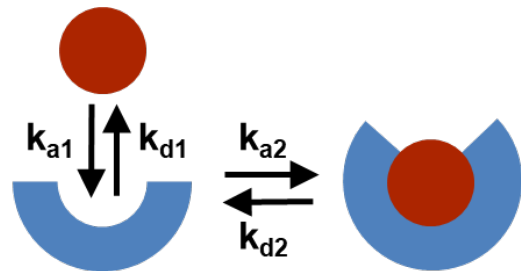
Bivalent

One bivalent ligand binding simultaneously to two targets of the same type.
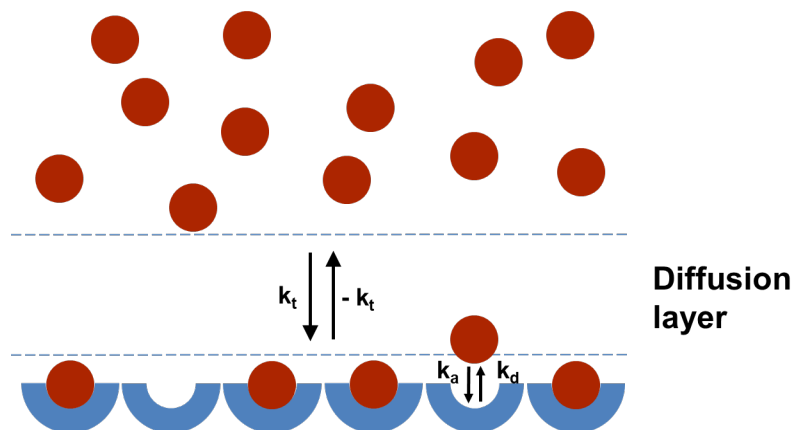
Two state

One monovalent ligand binding to one type of target, followed by a shift in interaction state (due to e.g. a conformation change).

k_{a1} k_{d1} k_{a2} k_{d2}

Diffusion corrected

One monovalent ligand binding to one type of target, but with a lower local ligand concentration near the targets.

k_t $-k_t$ k_a k_d

Diffusion layer

Depletion corrected

One monovalent ligand binding to one type of target, but with a clear reduction in the concentration of free ligand over time due to target binding.

k_a k_d

nB