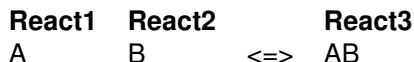


**Model Name:** 0 1:1 binding with mass transfer, km(m/s)  
**Model Type:** Kinetics Simultaneous ka/kd

**Formula:**



**Bulk and drift:**

Refractive index (1): Response: RI; From: tOn to: tOff

**Description:**

One analyte (A) reacts with a single site on the immobilised ligand (B). Mass transfer limited reaction.

**Reactants:**

Analyte A

Concentration: Conc; Injection (s): tOn - tOff

Ligand B

Binding capacity: Rmax

Complex AB

Generates response

**Parameters:**

Name	Fit	Allow Neg.	Keyword
tOn	No	No	Yes
tOff	No	No	Yes
Conc	No	No	Yes

Rmax	Global	No	No
ka	Global	No	No
kd	Global	No	No
RI	No	Yes	No
km	Global	No	No
mw	No	No	Yes