

**Model Name:** 1:1 (Langmuir) binding  
**Model Type:** Kinetics Simultaneous ka/kd

**Formula:**

<b>React1</b>	<b>React2</b>		<b>React3</b>	<b>Ka</b>	<b>Kd</b>
A	B	<=>	AB	ka	kd

**Bulk and drift:**

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

**Description:**

Analyte (A) binds to ligand (B).

**Reactants:**

Analyte A

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

Ligand B

Binding capacity: Rmax

Complex AB

Generates response

**Parameters:**

Name	Fit	Allow Neg.	Keyword	Initial Value
tOn	No	No	Yes	
tOff	No	No	Yes	
Conc	No	No	Yes	
Rmax	Global	No	No	YMax
ka	Global	No	No	1e3
kd	Global	No	No	1e-5
RI	Local	Yes	No	50