

Table S3 - The evaluation of the antibody concentration model

Parameter	Value	Critical value	Meaning parameters
(to be a good model)			
R^2	0.844	> 0.5	Explained variation, goodness of fit parameter
R^2_{adj}	0.816	> 0.5	Goodness of fit measure adjusted for degrees of freedom
Q^2	0.771	> 0.5	Predicted variation, goodness of prediction parameter
$R^2 - Q^2$	0.073	< 0.2 – 0.3	Appropriateness of a model
Model validity	0.929	> 0.25	Defines if this is the right type of a model
Reproducibility	0.797	> 0.5	Shows replicate error
F-test for mean-squares (<i>P</i> -value)	0.000	< 0.05	Compares modellable and unmodellable variance
<i>Lack of fit</i> test (<i>P</i> -value)	0.754	> 0.05	Compares model and replicate errors with each other