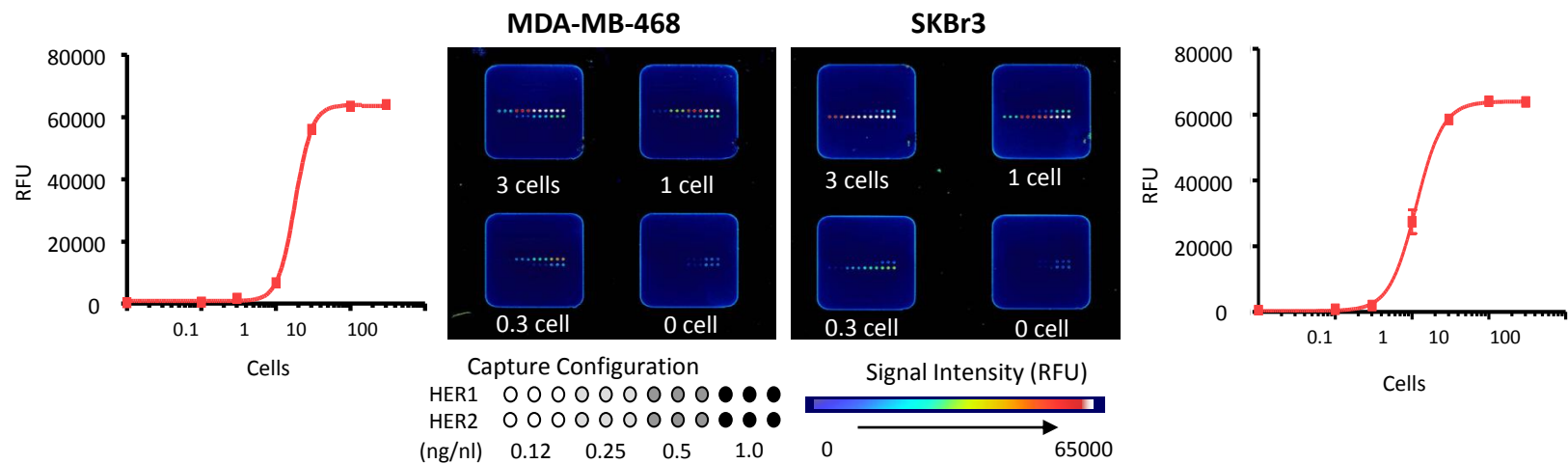


(a)

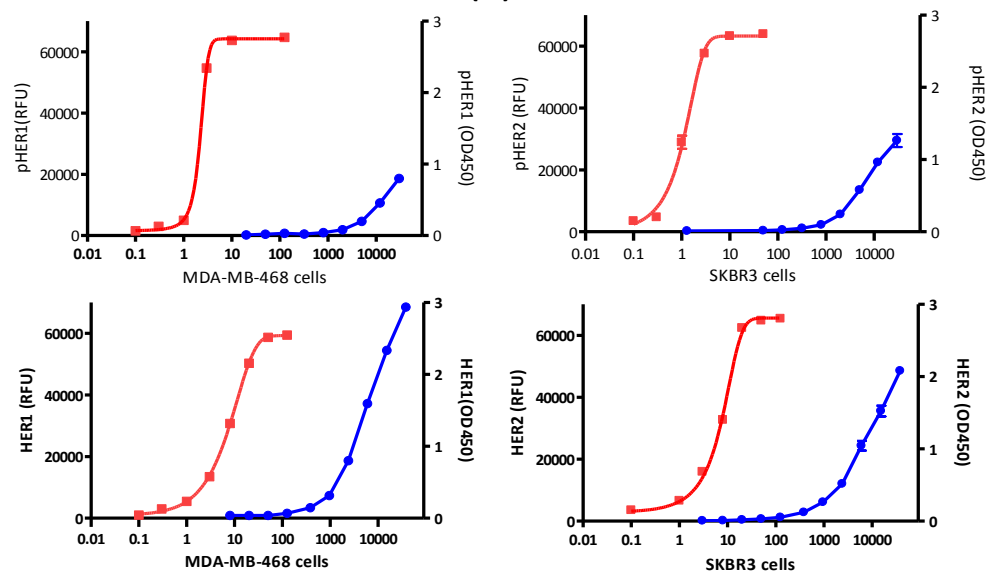


(b)

		SKBr3		T47D		BT-474		MDA-MB-468			
pHER2											
HER2											
EGF	-	+	-	+	-	+	-	+	EGF	-	+
pHER2									pHER1		
HER2									HER1		
HRGβ	-	+	-	+	-	+	-	+	HRGβ	-	+

Growth Factor Cell lines	Per Cell-RTK Activation post stimulation by CEER (RFU/cell)				Relative Level of RTK Expression per Cell	
	EGF		HRG		HER1	HER2
	pHER1	pHER2	pHER1	pHER2		
MDA MB 468	993	ND	34	ND	100%	<1%
T47D	121	155	10	278	<1%	3%
SKBr3	49	1009	7	1101	<4%	100%
BT474	8	734	5	1285	<1%	100%

(c)



	pHER2		HER2		pHER1		HER1	
assay	LOD	EC50	LOD	EC50	LOD	EC50	LOD	EC50
ELISA	320	~7274	150	~4998	800	~10615	320	~4550
CEER	0.3	0.8	1	4	0.3	1.3	1	3