

Table S1. Correlation coefficients between EMNT and PRNT for each virus on BHK-21 cells and FcγRIIA-expressing BHK-21 cells.

Virus	Cell line	Spearman's	95% CI	<i>p</i> Values (Two-Tailed)
		Correlation Coefficient (<i>r</i>)		
ZIKV	BHK-21	0.8573	0.6189 – 0.9510	<i>p</i> < 0.001
JEV	BHK-21	0.8592	0.6989 – 0.9661	<i>p</i> < 0.001
JEV	FcγR-BHK-21	0.7890	0.4512 – 0.9290	<i>p</i> < 0.001
DENV-1	BHK-21	0.8603	0.6120 – 0.9542	<i>p</i> < 0.001
DENV-1	FcγR-BHK-21	0.8117	0.5001 – 0.9372	<i>p</i> < 0.001
DENV-2	BHK-21	0.7891	0.4515 – 0.9291	<i>p</i> < 0.001
DENV-2	FcγR-BHK-21	0.7298	0.3327 – 0.9071	<i>p</i> = 0.003
DENV-3	BHK-21	0.9517	0.8370 – 0.9863	<i>p</i> < 0.001
DENV-3	FcγR-BHK-21	0.9031	0.6914 – 0.9720	<i>p</i> < 0.001
DENV-4	BHK-21	0.7446	0.3119 – 0.9215	<i>p</i> = 0.004
DENV-4	FcγR-BHK-21	0.8469	0.5419 – 0.9548	<i>p</i> < 0.001

Table S2. EMNT conditions on both 96-well and 384-well plates.

Assay Conditions			384-Well	96-Well
I. Neutralization	Cell seeding density		5×10^3 cells/well	2×10^4 cells/well
	Virus-antibody mixture for infection		25 μ L/well	50 μ L/well
	Fresh medium added after infection		62.5 μ L	125 μ L
II. Antigen- detection ELISA	Coating antibody	12D11/7E8 (10 μ g/mL)	50 μ L	100 μ L
	Sample from neutralization step (I)	Virus-antibody mixture	50 μ L	100 μ L
	Detecting antibody	HRP-conjugated 12D11/7E8 (1:1000)	50 μ L	100 μ L
		OPD in substrate		
	Color development	buffer with 0.03% H_2O_2	50 μ L	100 μ L
	Stop reagent	HCl	25 μ L (2N)	100 μ L (1N)