

Supplementary Table 1 | Neutralization activity (Neut50) of plasma samples against DENV1^a

Exp.	Immunization	Mouse #1	Mouse #2	Mouse #3	Mouse#4
1 ^b	Control mRNA	<100	<100	<100	<100
	DENV1-NS	<100	<100	nd	nd
2 ^c	Control mRNA	<100	<100	<100	<100
	DENV1-NS	<100	<100	<100	<100
3 ^d	DENV1	940	1000	920	nd

^a: The values in each cell correspond to the dilution of plasma sample giving 50% inhibition of DENV1 infection on Vero cells. ^b: Two groups of 4 and 2 HLA-B*3501 transgenic mice received a prime boost regimen with 10µg control mRNA and DENV1-NS vaccine, respectively, at 4-week interval and plasma samples were tested individually for neutralization activity against DENV1 infection 4 weeks after the boost. ^c: Two groups of 4 HLA-B*3501 transgenic mice received a prime boost regimen with 10µg control mRNA and DENV1-NS vaccine, respectively, at 4-week interval and plasma samples were tested for neutralization against DENV1 infection on Vero cells 4 weeks after the boost. ^d: Plasma samples from *ifnar*^{-/-} mice obtained 4 weeks after intravenous inoculation with 10⁶ pfu DENV1 KDH0026A. nd: not done.