

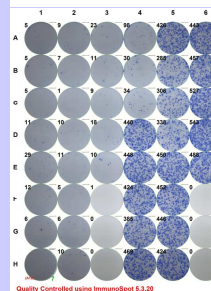
Development of Novel Vaccine and Antibody-Based Therapeutics against Arbovirus Infection

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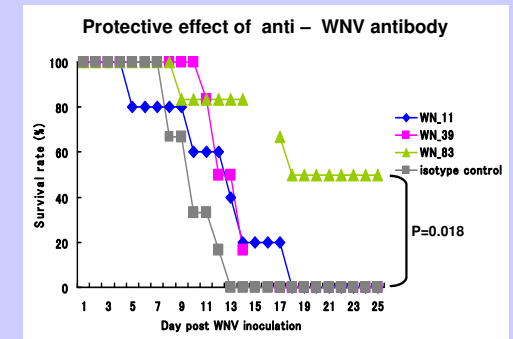
Research Area

1. Development of West Nile virus (WNV) vaccine
2. Development of Chikungunya virus vaccine
3. Development of novel JEV vaccine
4. Development of Zika virus vaccine
5. Development of antibody-based therapeutics against Flavivirus infection

IFN γ - detecting ELISPOT assay in response to WNV CTL epitope peptide



peptide	Immunization	
	(-)	(+)
E4-12	A1-C1	A4-C4
E57-64	G1,H1,A2	G4,H4,A5
E231-239	B2-D2	B5-D5
E357-364	E2-G2	E5-G5
E6-14	H2,A3,B3	H5,A6,B6
E351-365	C3-E3	C6-E6



Recent Activities

- Human monoclonal antibodies against West Nile virus from Japanese encephalitis – vaccinated volunteers. *Anti-viral Research* 154 : 58–65, 2018.