FIG.1

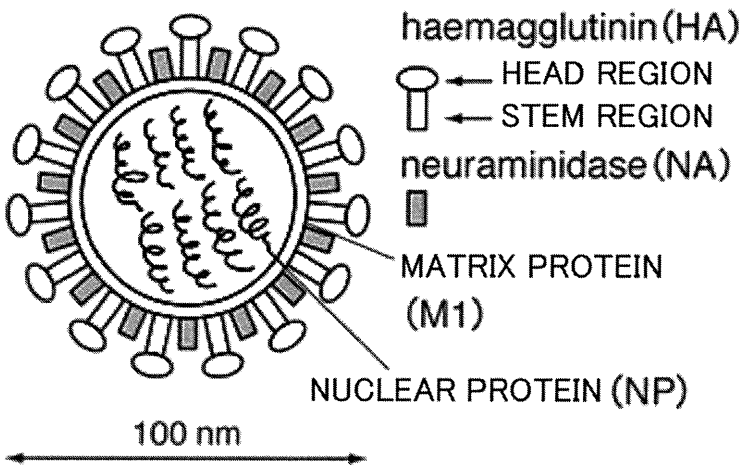

haemagglutinin (HA)
HEAD REGION
STEM REGION
neuraminidase (NA)
MATRIX PROTEIN
(M1)
NUCLEAR PROTEIN (NP)
100 nm

FIG.2

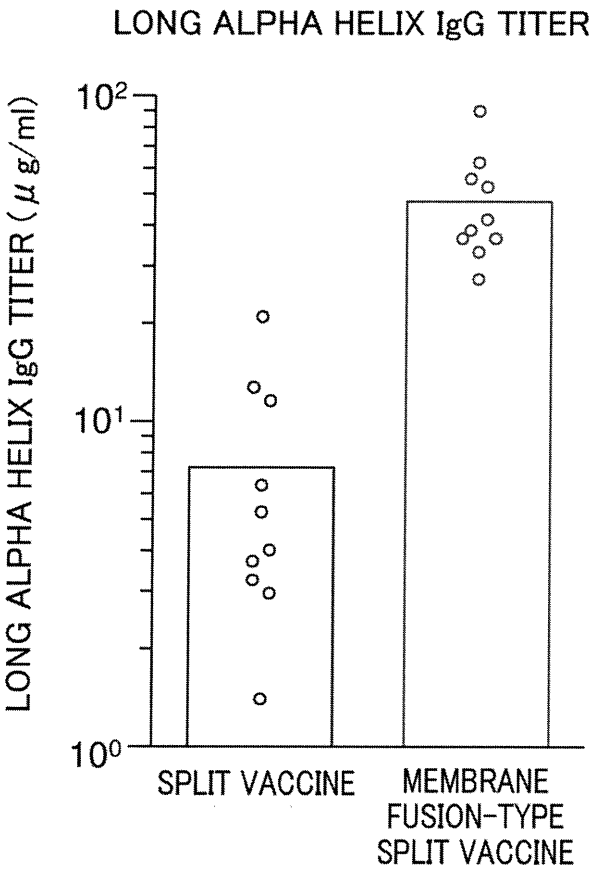

LONG ALPHA HELIX IgG TITER
LONG ALPHA HELIX IgG TITER (μg/ml)
10²
10¹
10⁰
SPLIT VACCINE
MEMBRANE FUSION-TYPE SPLIT VACCINE

FIG.3

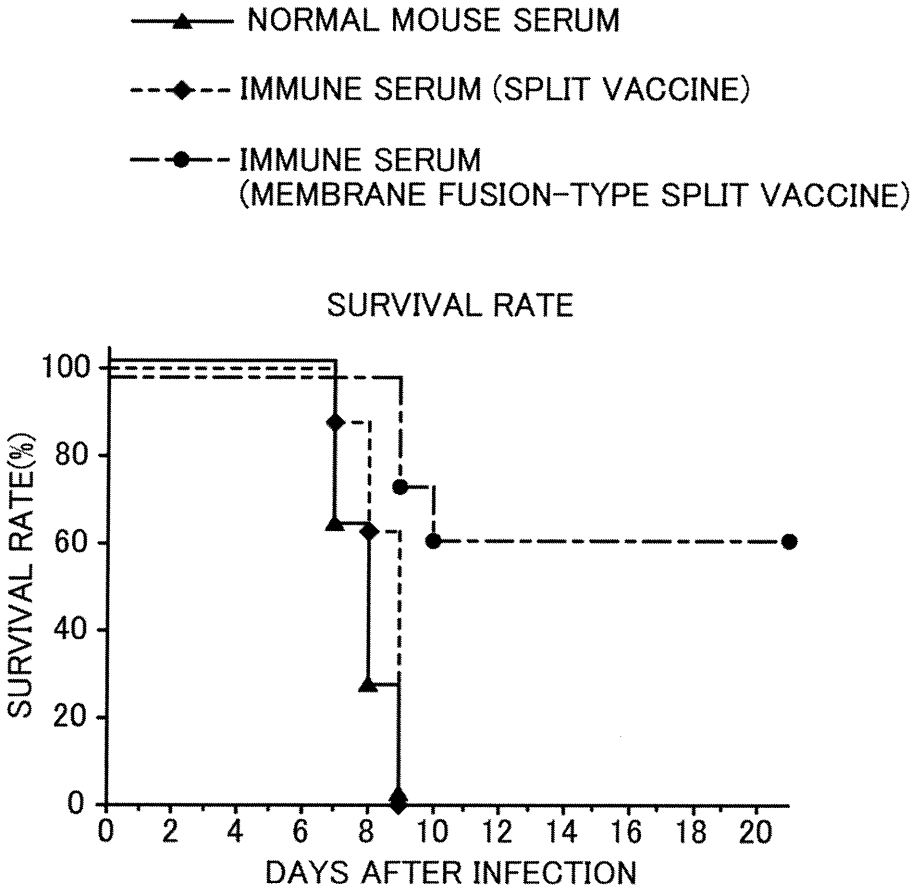

NORMAL MOUSE SERUM
IMMUNE SERUM (SPLIT VACCINE)
IMMUNE SERUM
(MEMBRANE FUSION-TYPE SPLIT VACCINE)
SURVIVAL RATE
SURVIVAL RATE(%)
100
80
60
40
20
0
0
2
4
6
8
10
12
14
16
18
20
DAYS AFTER INFECTION

FIG.4

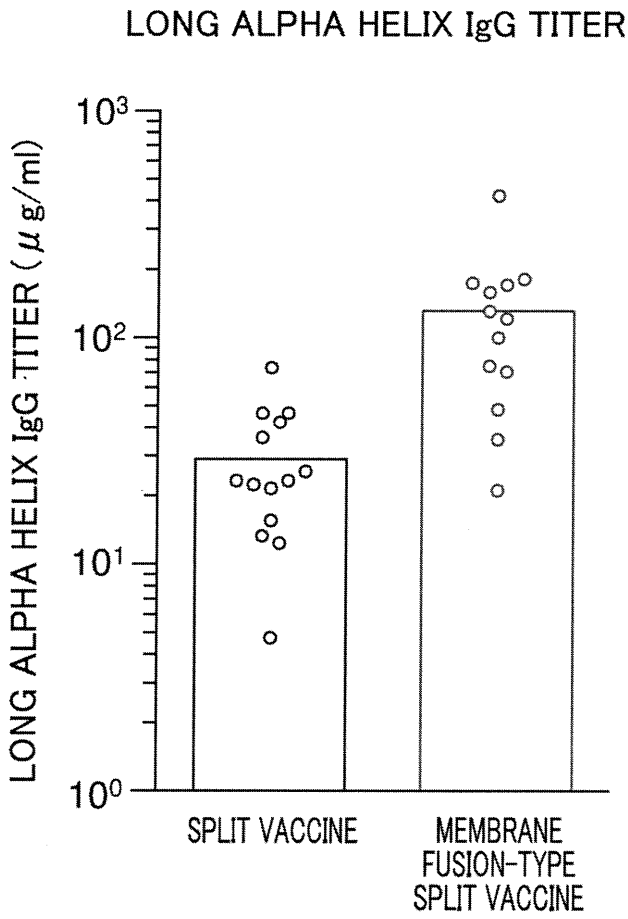

LONG ALPHA HELIX IgG TITER
LONG ALPHA HELIX IgG TITER (μg/ml)
10^3
10^2
10^1
10^0
SPLIT VACCINE
MEMBRANE FUSION-TYPE SPLIT VACCINE

FIG.5

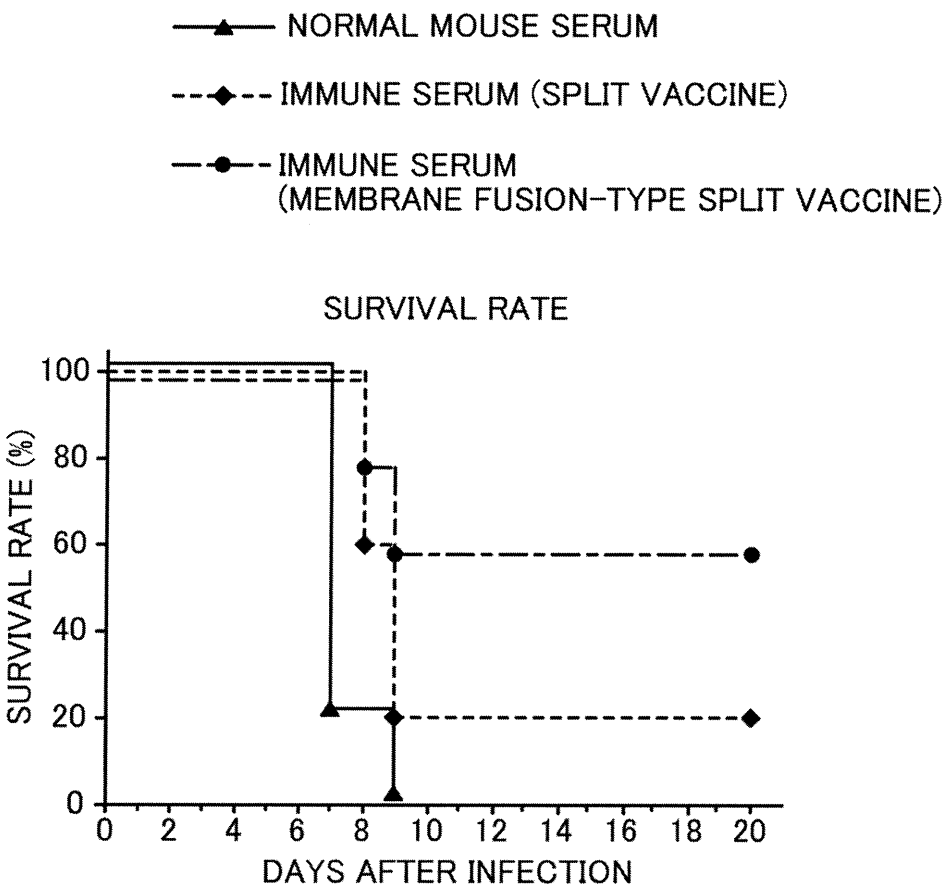

NORMAL MOUSE SERUM
IMMUNE SERUM (SPLIT VACCINE)
IMMUNE SERUM
(MEMBRANE FUSION-TYPE SPLIT VACCINE)
SURVIVAL RATE
SURVIVAL RATE (%)
100
80
60
40
20
0
0
2
4
6
8
10
12
14
16
18
20
DAYS AFTER INFECTION

FIG.6

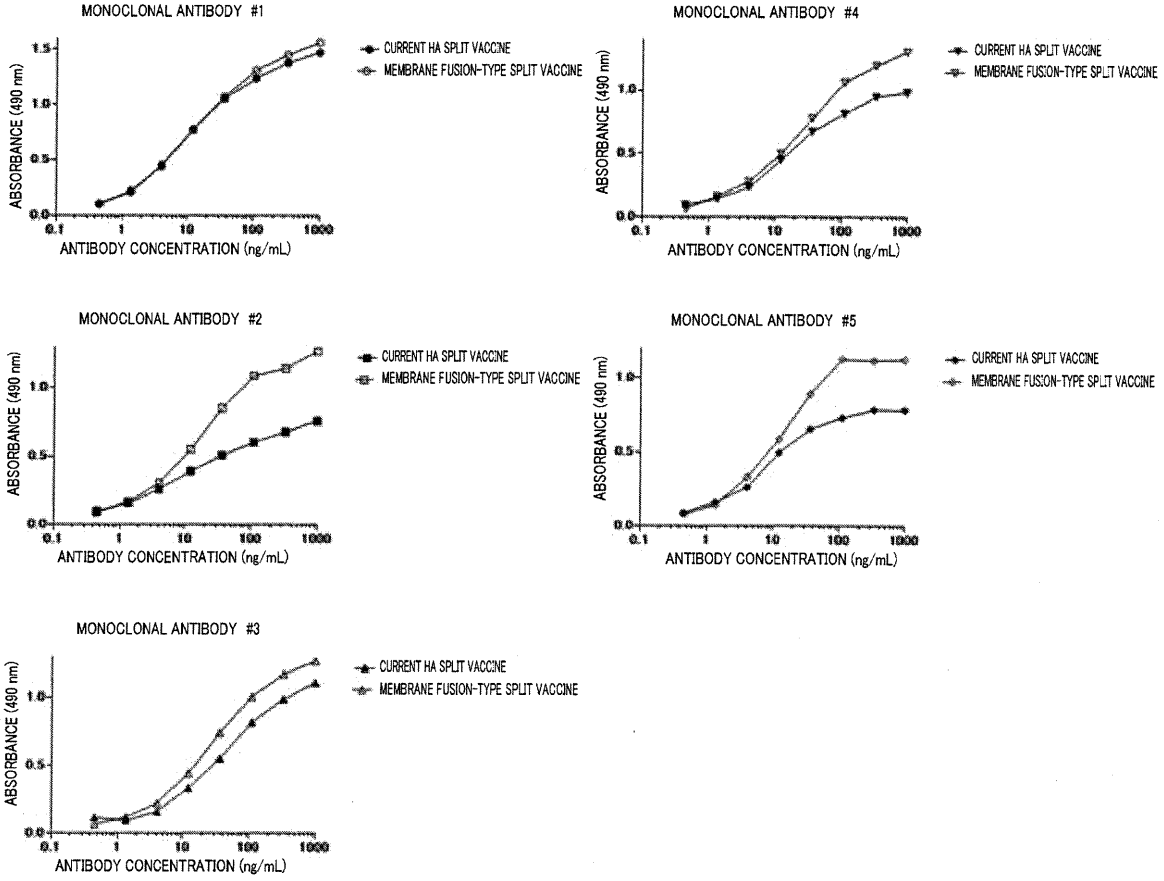

MONOCLONAL ANTIBODY #1
ABSORBANCE (490 nm)
ANTIBODY CONCENTRATION (ng/mL)
CURRENT HA SPLIT VACCINE
MEMBRANE FUSION-TYPE SPLIT VACCINE
MONOCLONAL ANTIBODY #4
ABSORBANCE (490 nm)
ANTIBODY CONCENTRATION (ng/mL)
CURRENT HA SPLIT VACCINE
MEMBRANE FUSION-TYPE SPLIT VACCINE
MONOCLONAL ANTIBODY #2
ABSORBANCE (490 nm)
ANTIBODY CONCENTRATION (ng/mL)
CURRENT HA SPLIT VACCINE
MEMBRANE FUSION-TYPE SPLIT VACCINE
MONOCLONAL ANTIBODY #5
ABSORBANCE (490 nm)
ANTIBODY CONCENTRATION (ng/mL)
CURRENT HA SPLIT VACCINE
MEMBRANE FUSION-TYPE SPLIT VACCINE
MONOCLONAL ANTIBODY #3
ABSORBANCE (490 nm)
ANTIBODY CONCENTRATION (ng/mL)
CURRENT HA SPLIT VACCINE
MEMBRANE FUSION-TYPE SPLIT VACCINE

FIG. 7

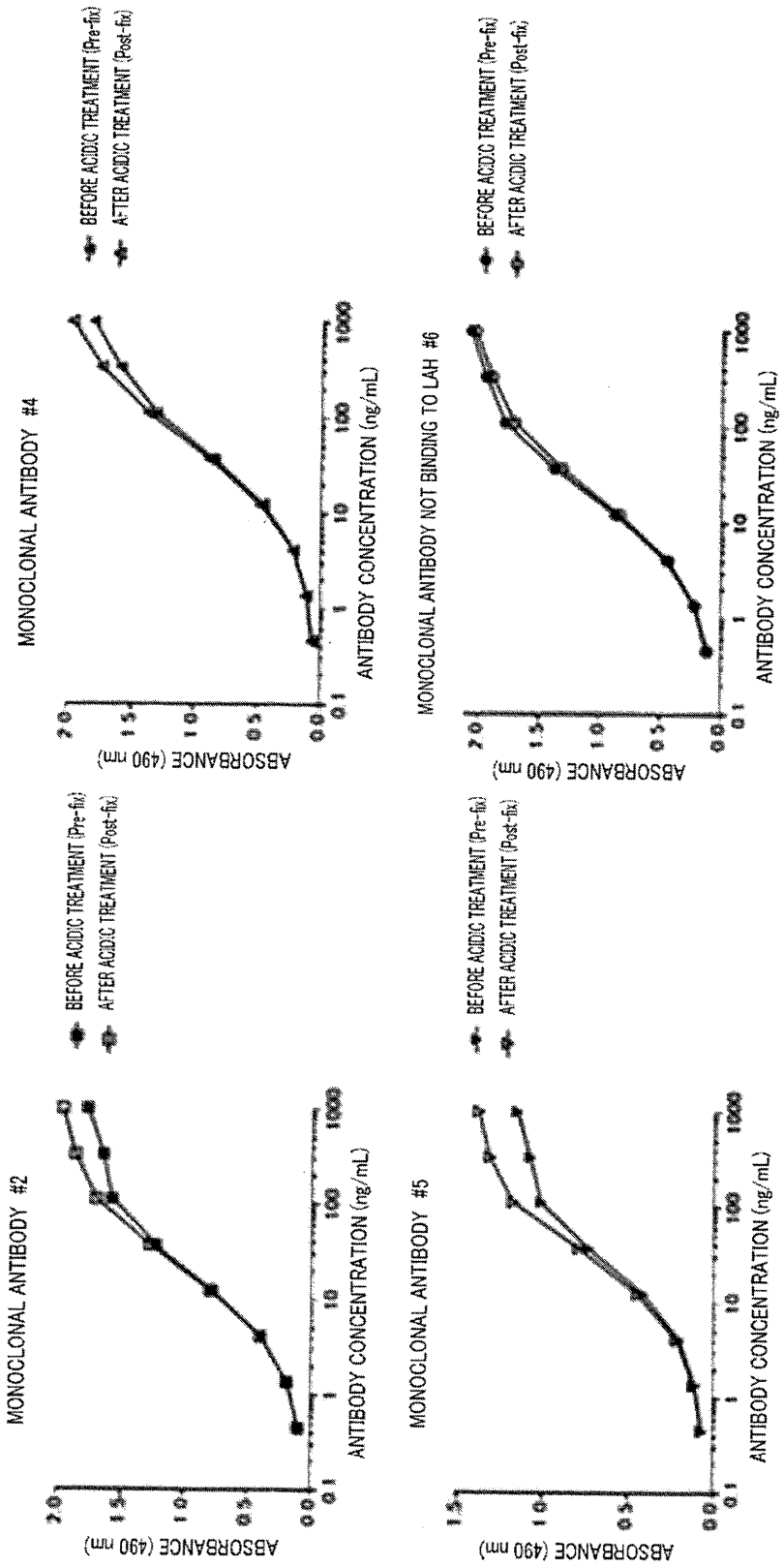
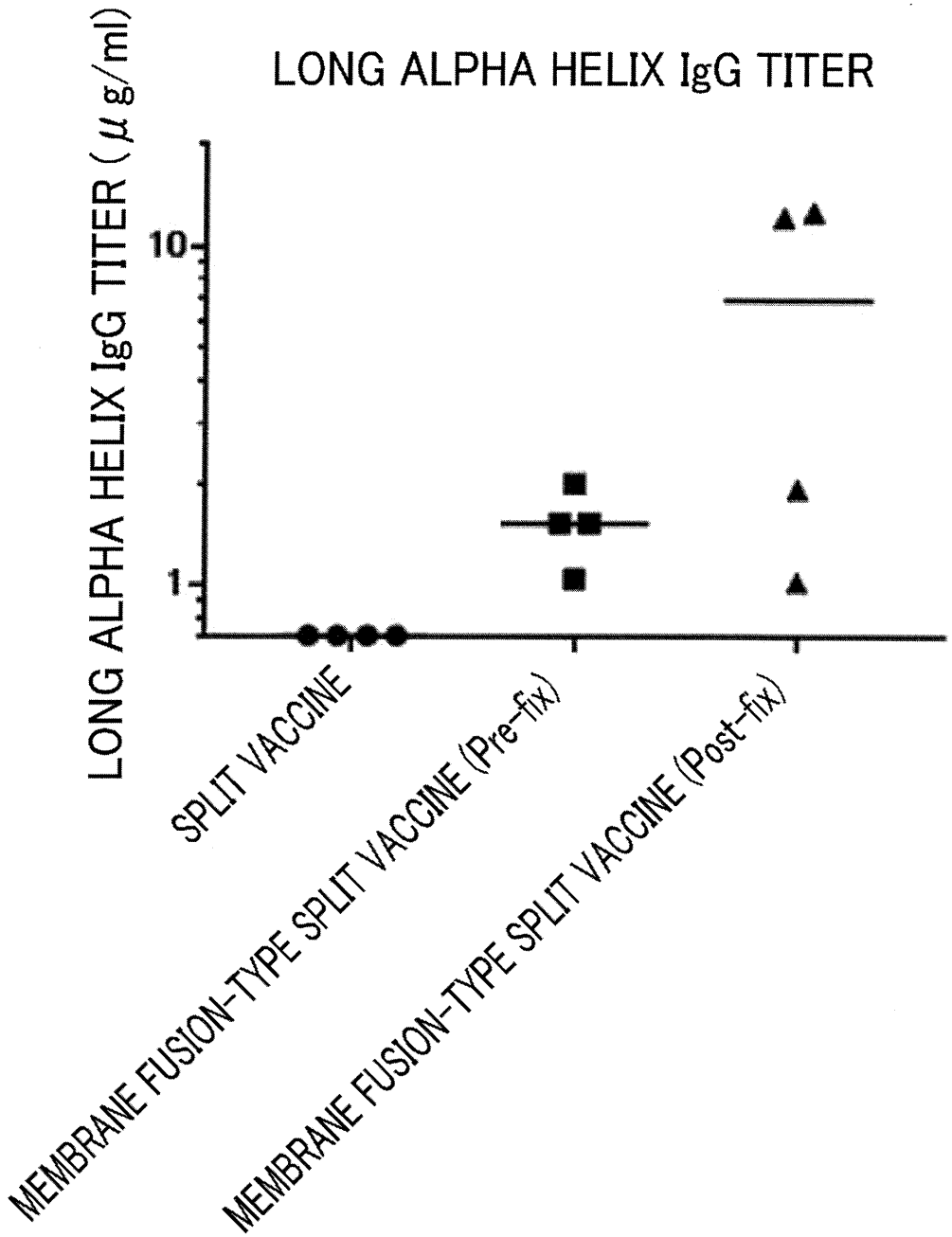

MONOCLONAL ANTIBODY #4
MONOCLONAL ANTIBODY NOT BINDING TO LAH #6
MONOCLONAL ANTIBODY #2
MONOCLONAL ANTIBODY #5
BEFORE ACIDIC TREATMENT (Pre-fix)
AFTER ACIDIC TREATMENT (Post-fix)
ABSORBANCE (490 nm)
ANTIBODY CONCENTRATION (ng/mL)

FIG. 8


LONG ALPHA HELIX IgG TITER
LONG ALPHA HELIX IgG TITER (μg/ml)
10
1
SPLIT VACCINE
MEMBRANE FUSION-TYPE SPLIT VACCINE (Pre-fix)
MEMBRANE FUSION-TYPE SPLIT VACCINE (Post-fix)