

【FIGURES】

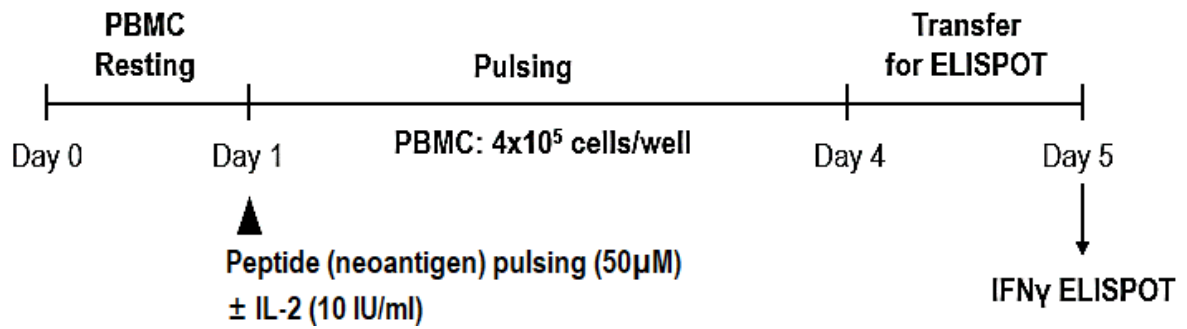
【FIG. 1】

HLA-A*0201		mm										mm	
BA	(Mean-STD)	>=0.35	>=0.30	>=0.25	>=0.20	>=0.15	>=0.10	>=0.05	>=0.0	>=-0.50	>=-0.90	>=0.25	0.25-0.15
>=0.80		0	0	0	0	0	3	5	8	0	0	0	0
>=0.70		0	0	0	0	9	30	52	30	0	0	0	9
>=0.60		0	0	0	4	24	58	95	45	0	0	0	28
>=0.50		0	1	2	6	27	88	174	60	0	0	3	33
>=0.40		0	2	1	6	50	134	294	116	0	0	3	56
>=0.30		0	1	6	15	80	228	460	197	0	0	7	95
>=0.20		0	1	7	32	94	442	1008	464	0	0	8	126
>=0.10		2	3	15	67	289	1139	3412	2190	0	0	20	356
>=0.0		1	11	83	288	1496	8432	42049	51743	3	0	95	1784
>=-0.90		0	0	1	7	28	127	1007	1305	0	0	1	35
Total: 118057		3	19	115	425	2097	10681	48556	56158				
>=0.5		0	1	3	13	73	252	578	721				
0.5-0.1		3	21	133	541	2550	12925	60148	114858				

Group 1 (G1)
 $0.15 \leq \text{IMM} < 0.25$
 $0.6 \leq \text{BA}$

Group 2 (G2)
 $0.25 \leq \text{IMM}$
 $0.1 \leq \text{BA} < 0.6$

【FIG. 2a】



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【FIG. 2b】

HLA-A*02:01

Patient	RECIST	Top 20 No.	Top 20 (%)	Top 10 No.	Top 10 (%)
HUGO #10	PD	3	15.8	0	0.0
HUGO #16	PD	5	25.0	4	40.0
HUGO #38	PD	4	20.0	2	20.0
HUGO #07	PD	8	40.0	2	20.0
HUGO #15	PR	6	33.3	3	30.0
HUGO #04	PR	3	15.0	1	10.0
RIAZ #44	PR	4	20.0	2	20.0
HUGO #08	CR	9	45.0	4	40.0
			26.8%		22.5%

【FIG. 2c】

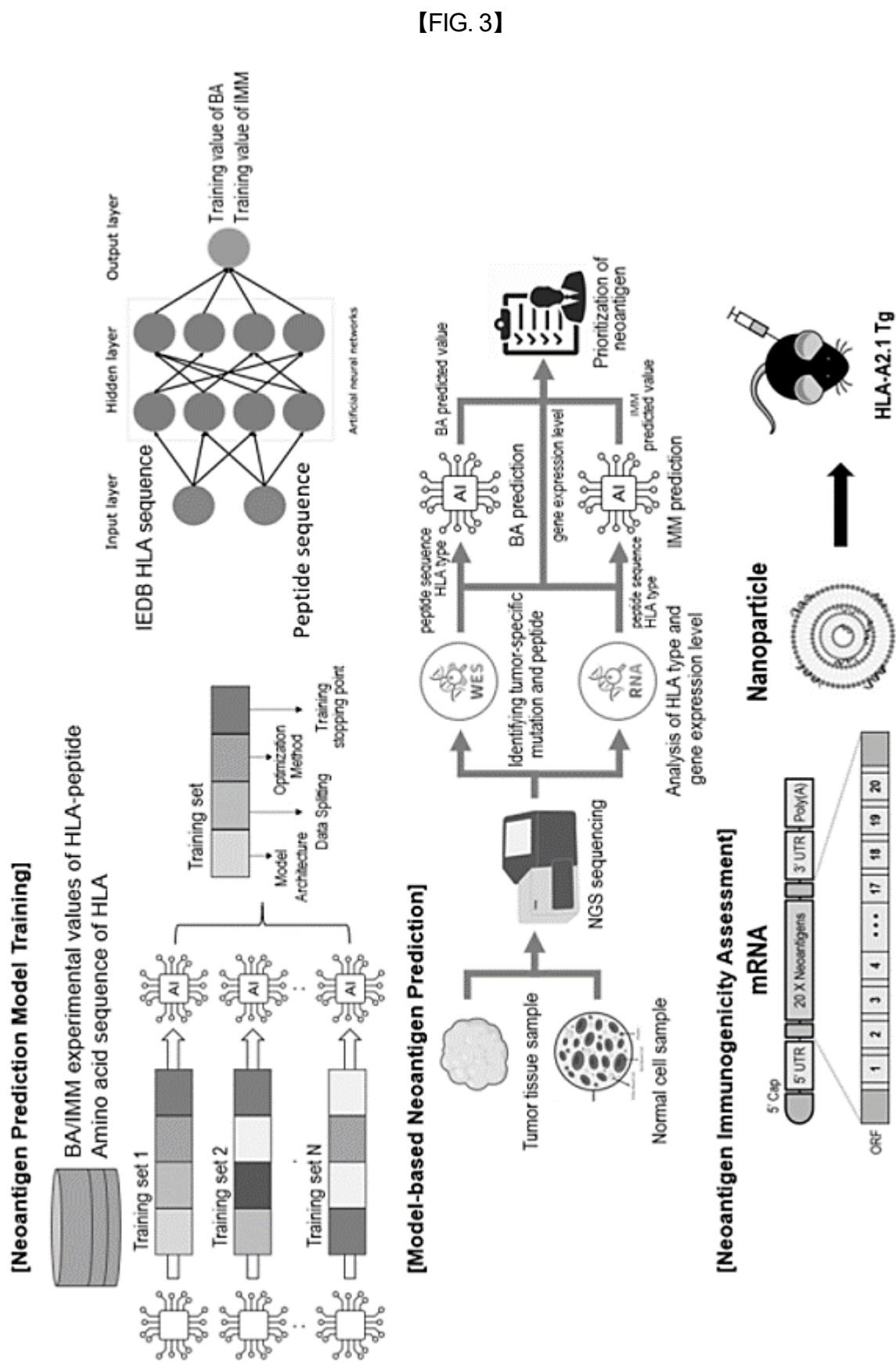
HLA-A*24:02

Patient	RECIST	Top 20 No.	Top 20 (%)	Top 10 No.	Top 10 (%)
HUGO #12	PD	1	5.0	0	0.0
RIAZ #27	PD	4	20.0	2	20.0
RIAZ #47	PD	3	15.0	1	10.0
HUGO #15	PR	3	15.0	0	0.0
RIAZ #49	PR	8	40.0	3	30.0
RIAZ #30	CR	2	10.0	0	0.0
RIAZ #94	CR	8	40.0	4	40.0
			20.7 %		14.3 %

【FIG. 2d】

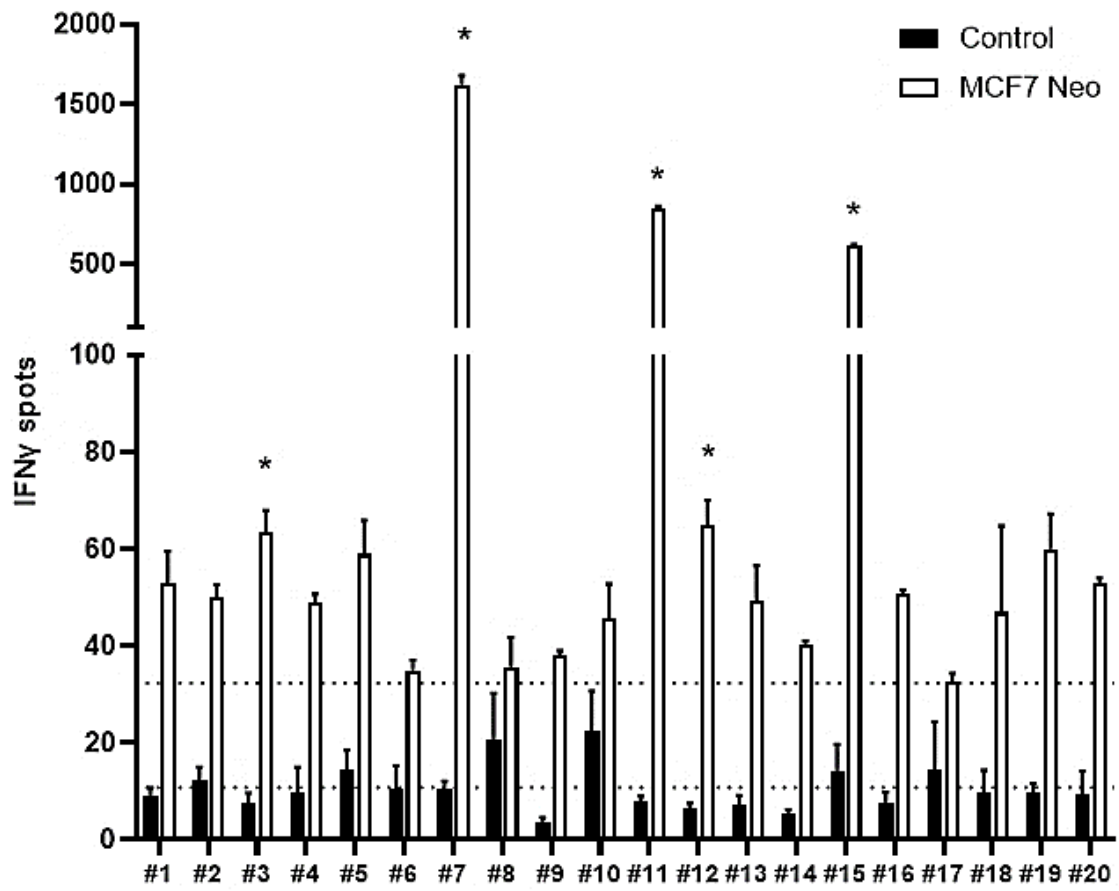
HLA-A*11:01

Patient	RECIST	Top 20 No.	Top 20 (%)	Top 10 No.	Top 10 (%)
HUGO #23	PD	1	5.0	0	0.0
HUGO #103	PD	6	30.0	1	10.0
RIAZ #47	PD	10	50.0	6	60.0
RIAZ #34	PR	3	15.0	1	10.0
HUGO #08	CR	1	5.0	1	10.0
			21.0 %		18.0 %



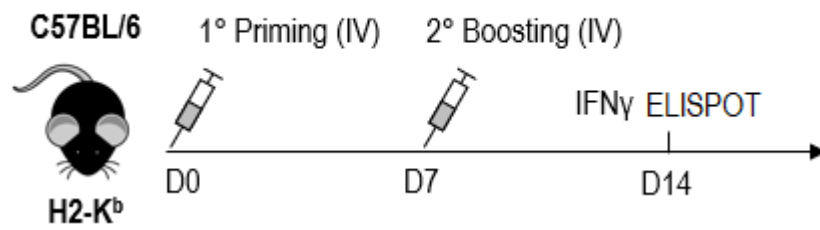
[FIG. 3]

【FIG. 4】

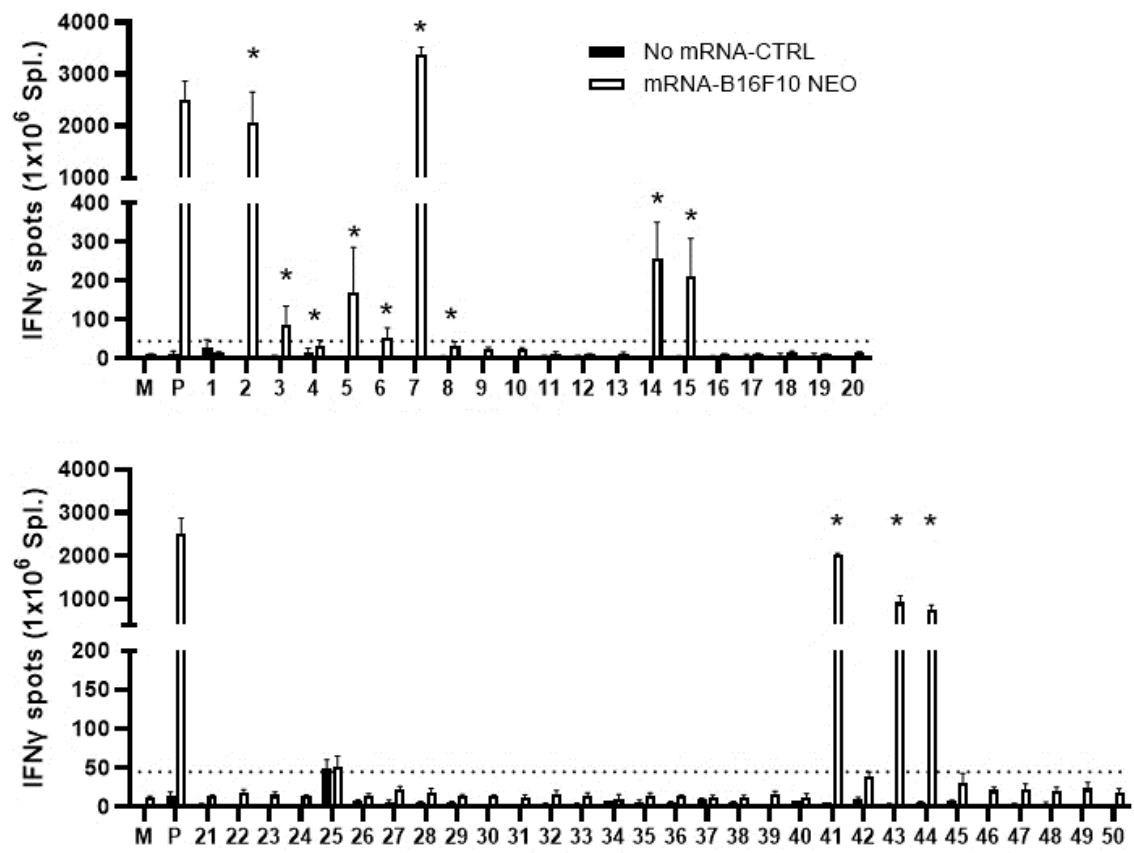


【FIG. 5】

Experimental Procedure



【FIG. 6】



【FIG. 7】

