

SUPPLEMENTARY MATERIALS

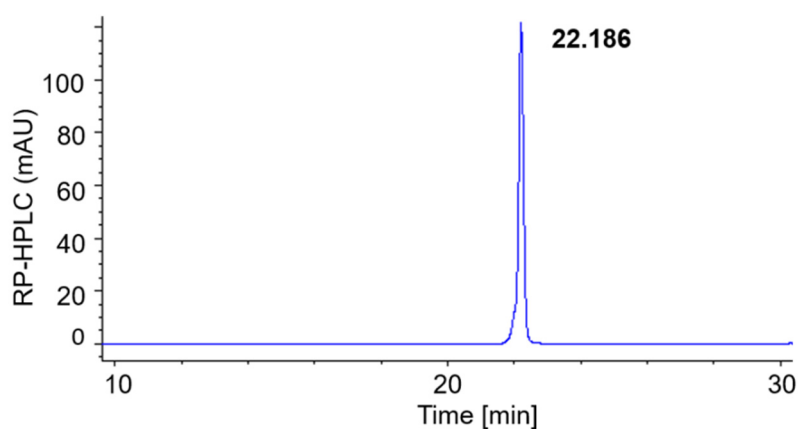


Figure S1. Purity analysis of the purified RBD5m by RP-HPLC.

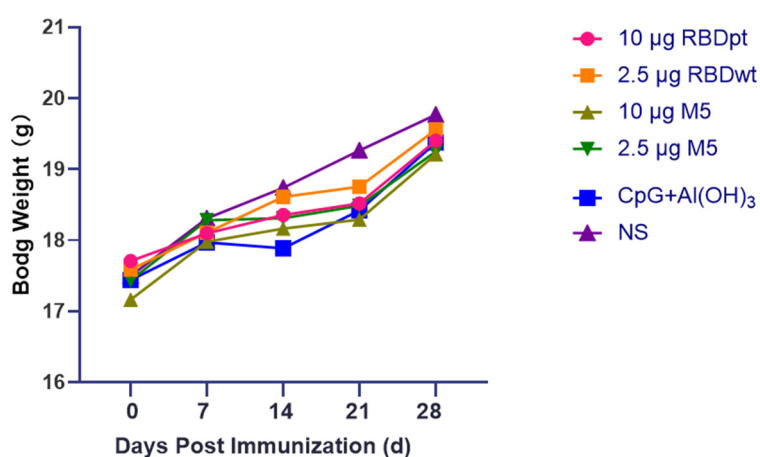


Figure S2. Body weight change of mice as a function of days post immunization. The weight of mice was monitored every 7 days after immunization. (n=10).

Table S1. Affinity constant of the RBDpt and the RBD5m.

RBD	Mean			
	$K_a(10^5 \text{Ms}^{-1})$	$K_d(10^{-3} \text{s}^{-1})$	$K_D(10^{-8} \text{M})$	$\chi^2(\text{RU}^2)$
RBDpt	4.64	5.79	1.25	0.13
RBD5m	4.64	5.79	1.25	0.13

K_a , association rate constant; K_d , disassociation rate constant; K_D , equilibrium disassociation constant. All of the values are determined by the ForteBio Octet™ QKe System. (n=1).