

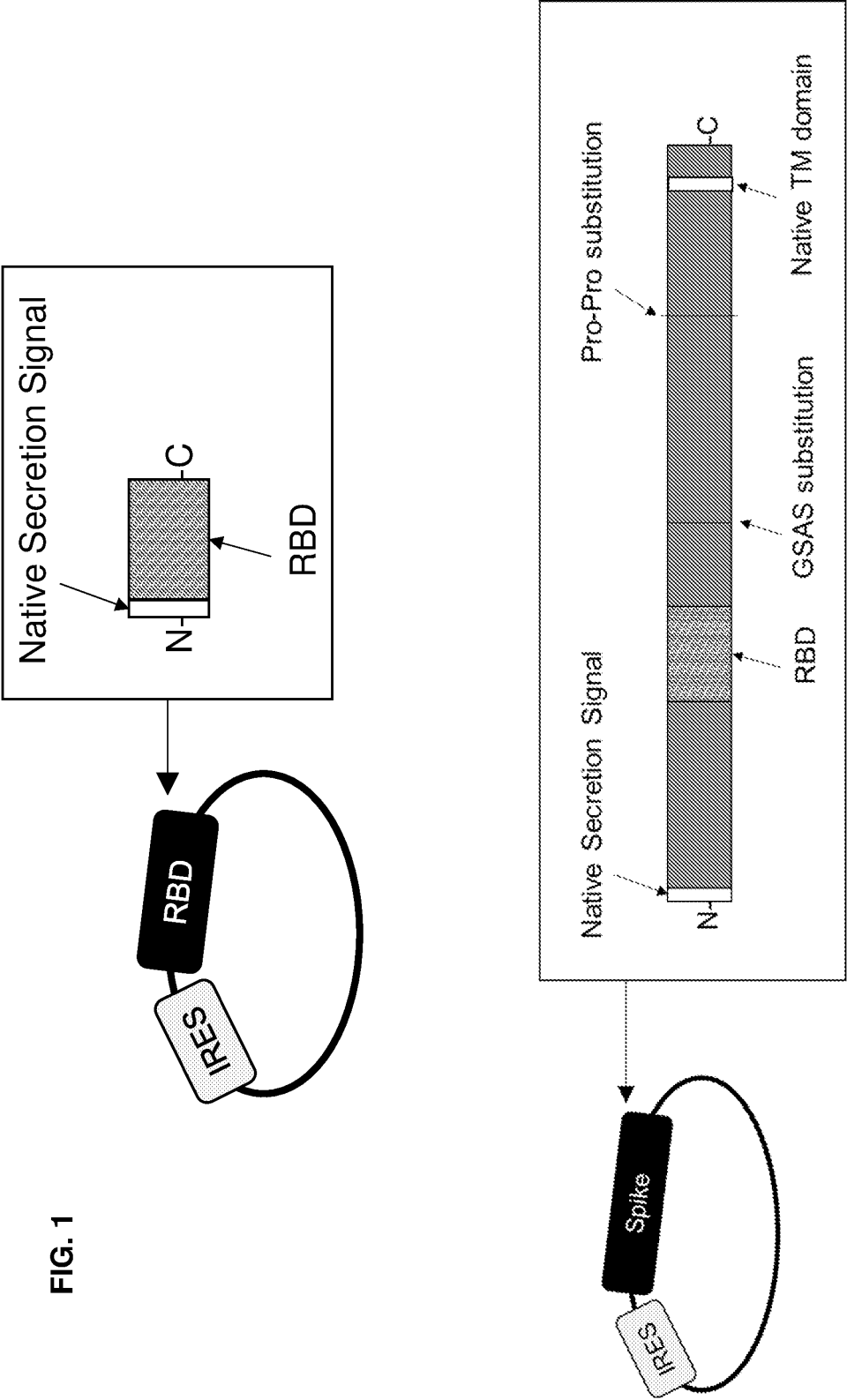


FIG. 2

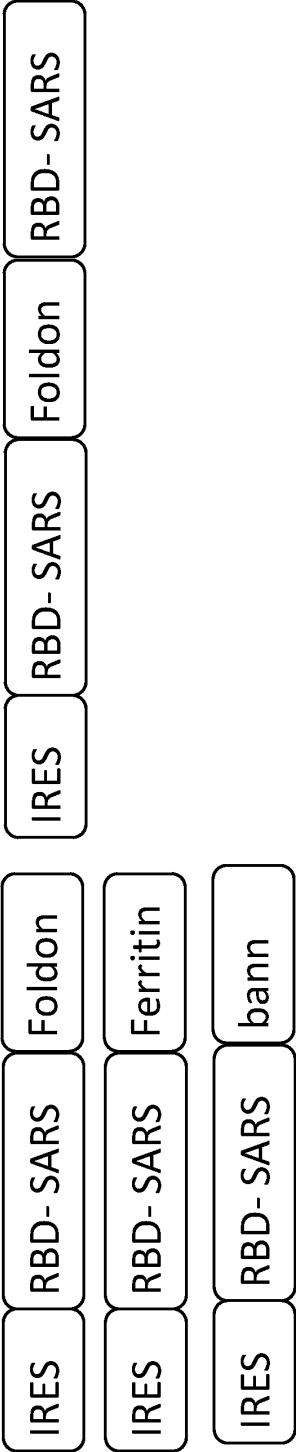
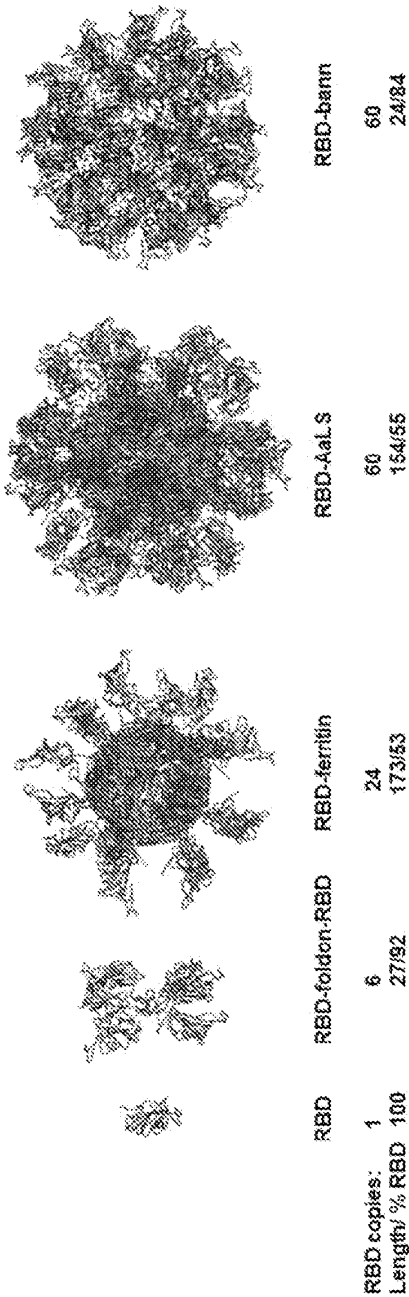
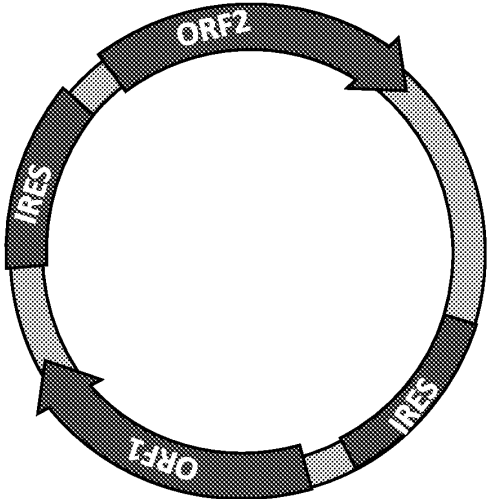
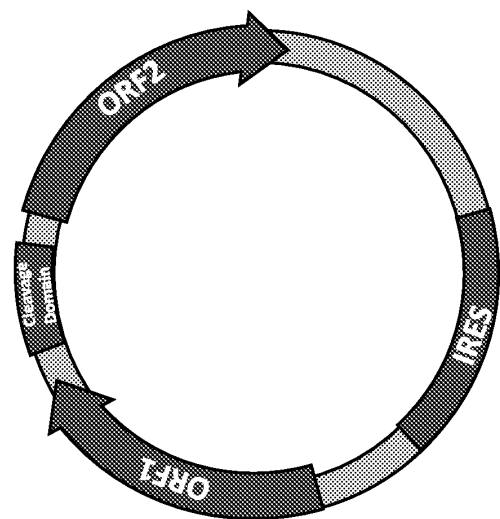


FIG. 3



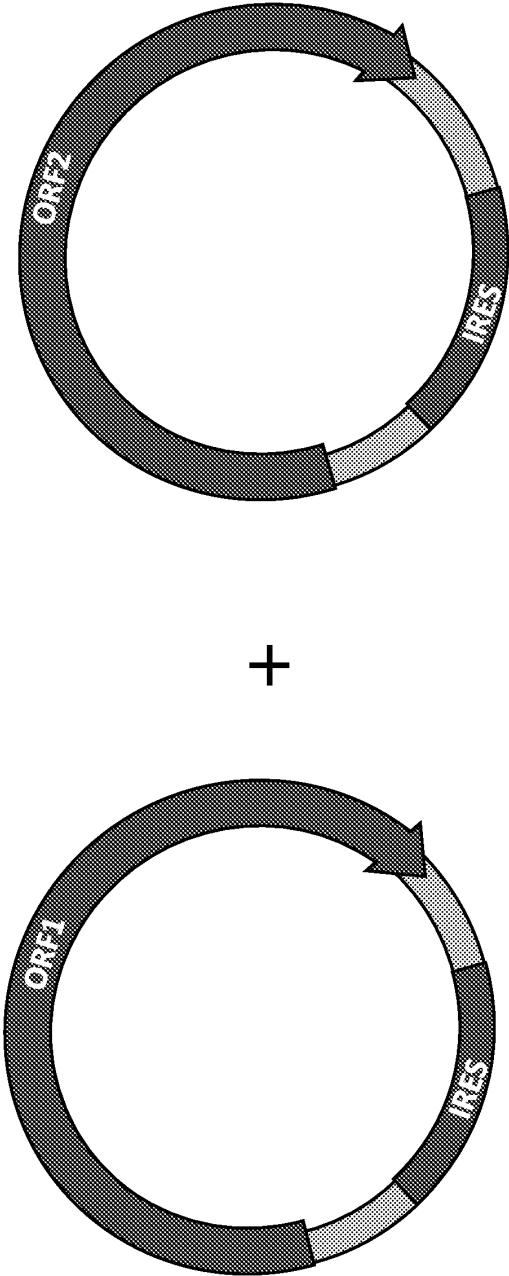
Example	ORF1	ORF2	Wherein
A	Immunogen 1	Immunogen 2	Immunogen 1 and Immunogen 2 are each coronavirus immunogens
B	Immunogen 1	Immunogen 2	Immunogen 1 is a coronavirus immunogen and Immunogen 2 is an immunogen other than a coronavirus immunogen
C	Immunogen	Adjuvant	ORF1 encodes a coronavirus immunogen and ORF2 encodes a polypeptide adjuvant.

FIG. 4



Example	ORF1	Cleavage Site	ORF2	Wherein
A	Immunogen 1	2A, furin, or furin-2A	Immunogen 2	Immunogen 1 and Immunogen 2 are each coronavirus immunogens
B	Immunogen 1	2A, furin, or furin-2A	Immunogen 2	Immunogen 1 is a coronavirus immunogen and Immunogen 2 is an immunogen other than a coronavirus immunogen
C	Immunogen	2A, furin, or furin-2A	Adjuvant	ORF1 encodes a coronavirus immunogen and ORF2 encodes a polypeptide adjuvant.

FIG. 5



Example	ORF1	ORF2	Wherein
A	Immunogen 1	Immunogen 2	Immunogen 1 and Immunogen 2 are each coronavirus immunogens
B	Immunogen 1	Immunogen 2	Immunogen 1 is a coronavirus immunogen and Immunogen 2 is an immunogen other than a coronavirus immunogen
C	Immunogen	Adjuvant	ORF1 encodes a coronavirus immunogen and ORF2 encodes a polypeptide adjuvant.

FIG. 6B

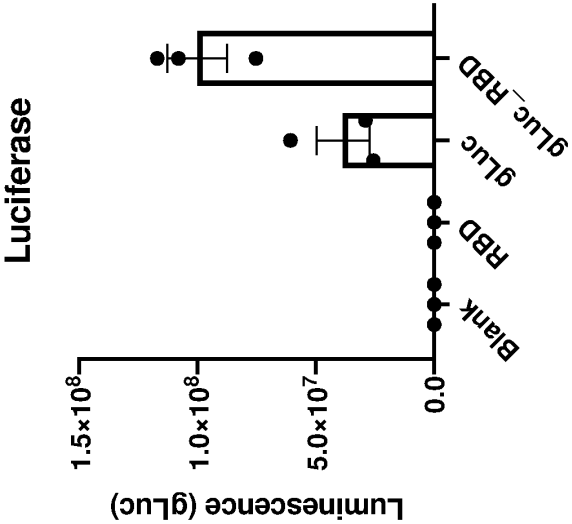
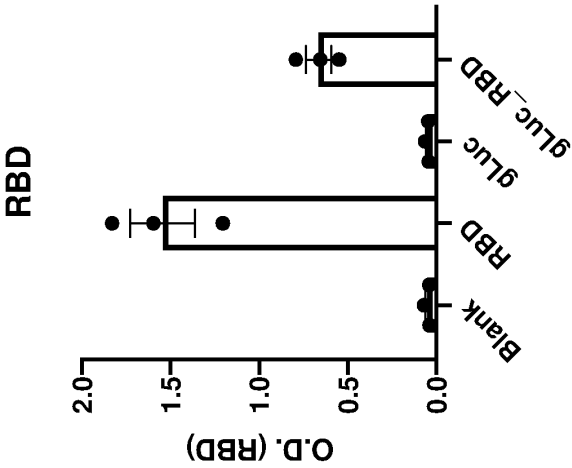
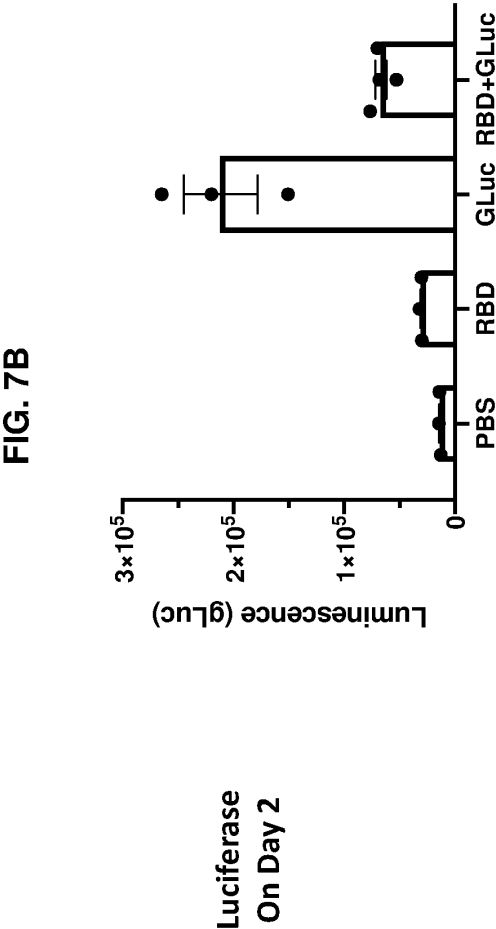
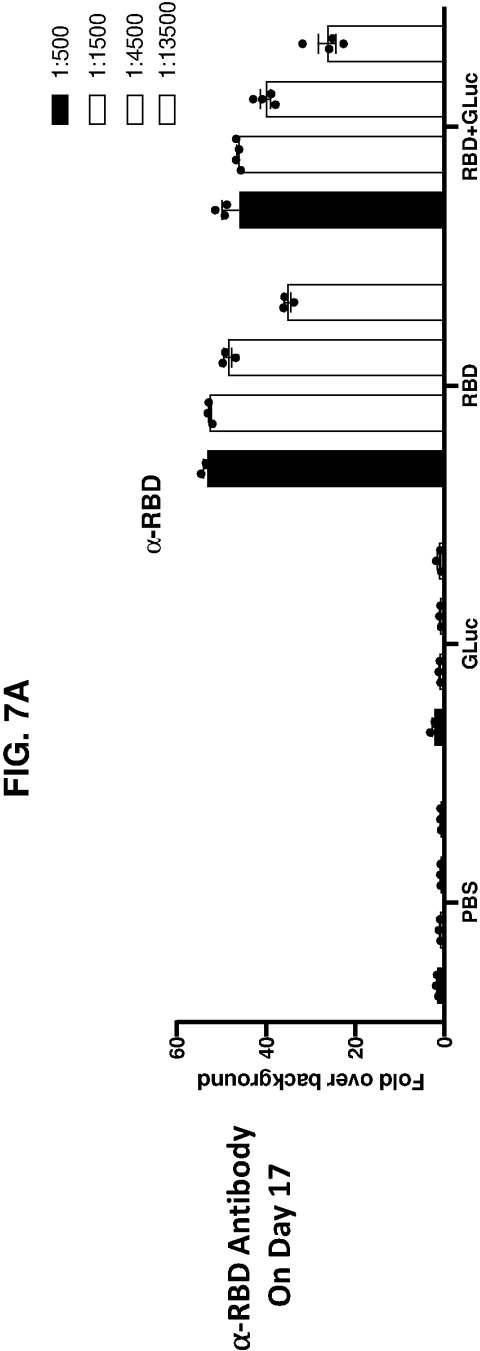
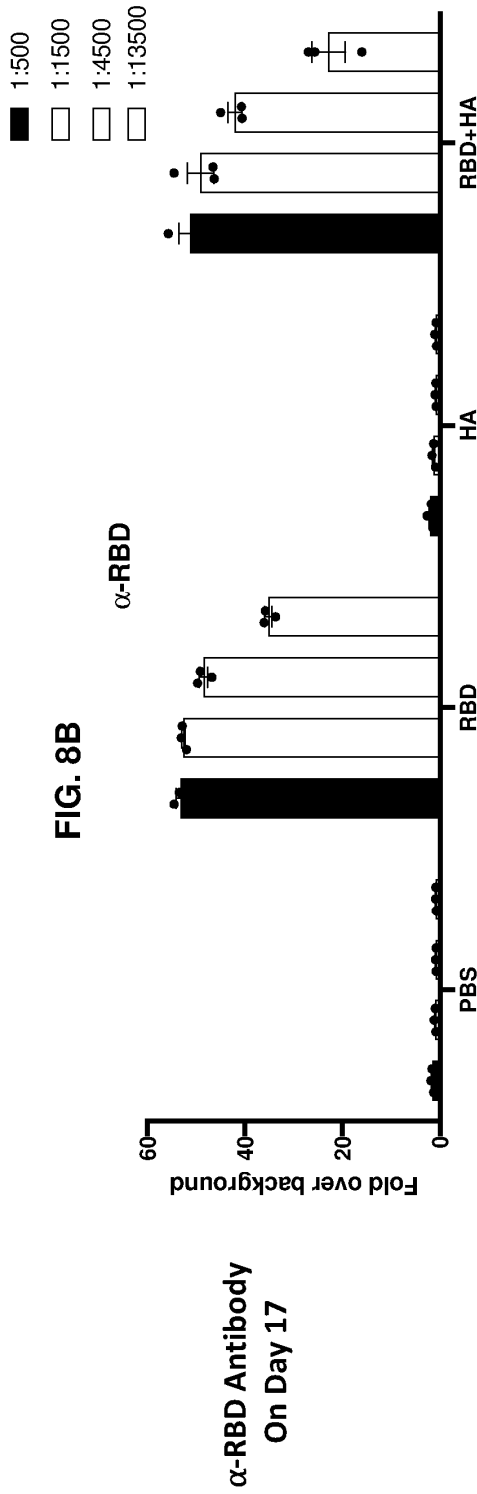
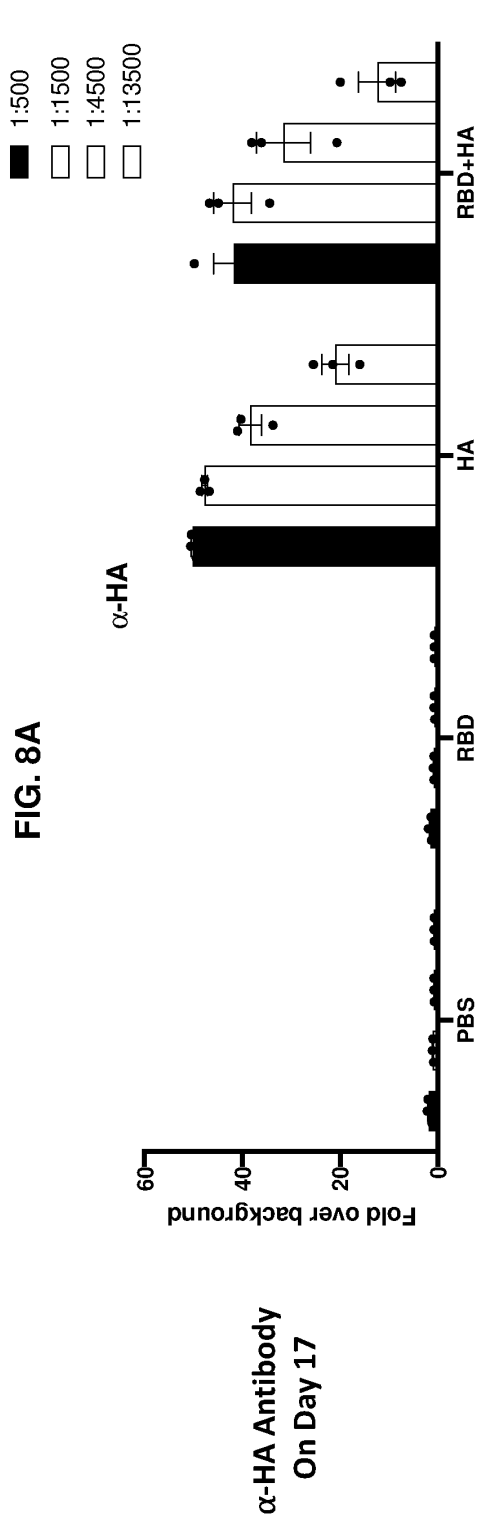


FIG. 6A







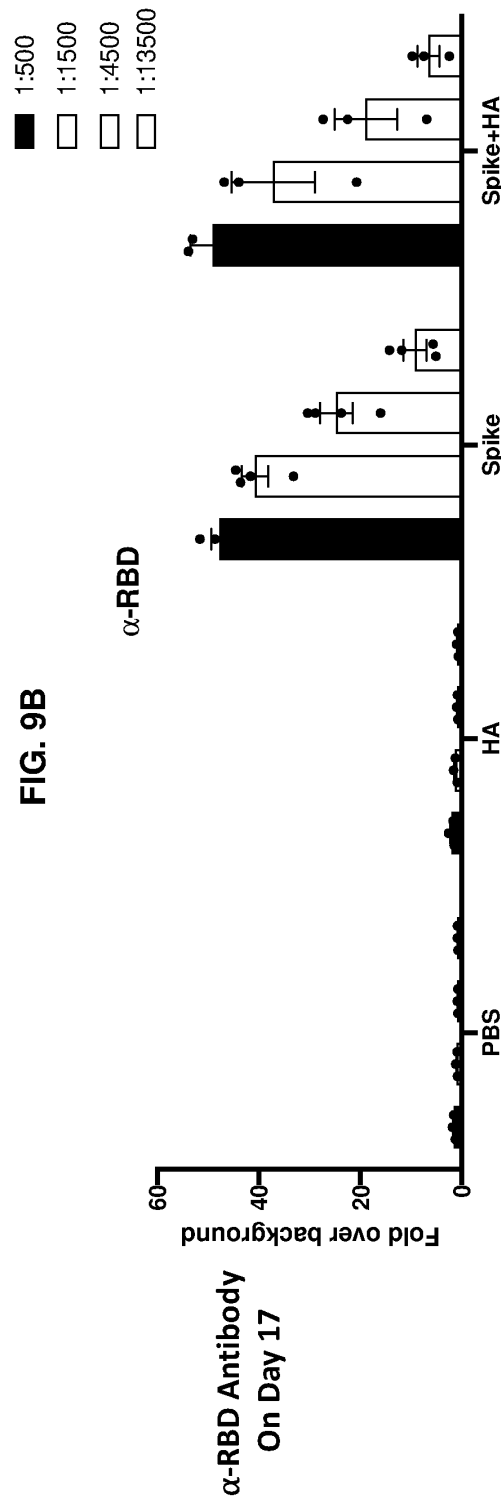
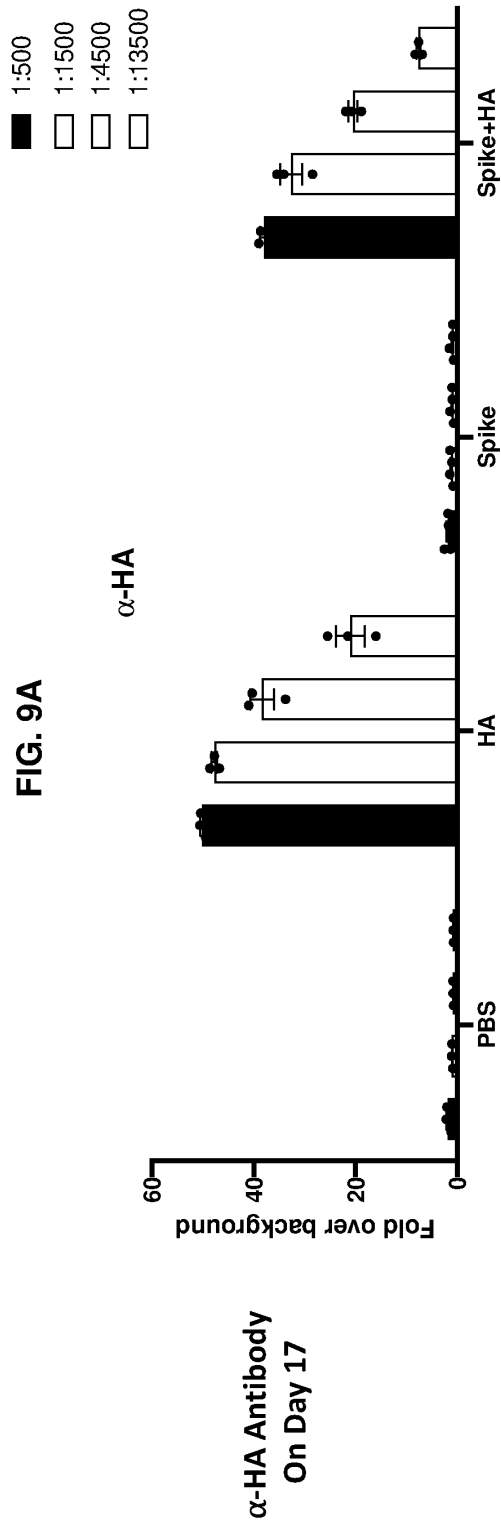


FIG. 10

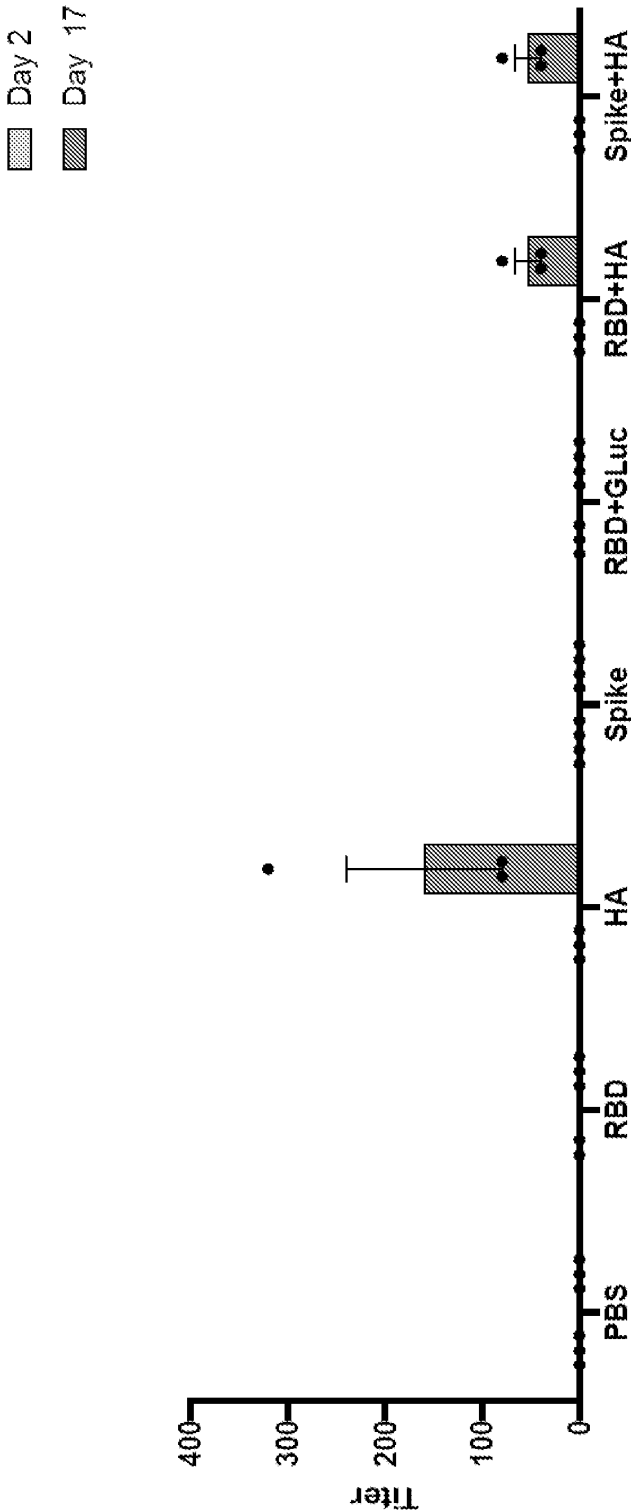


FIG. 11

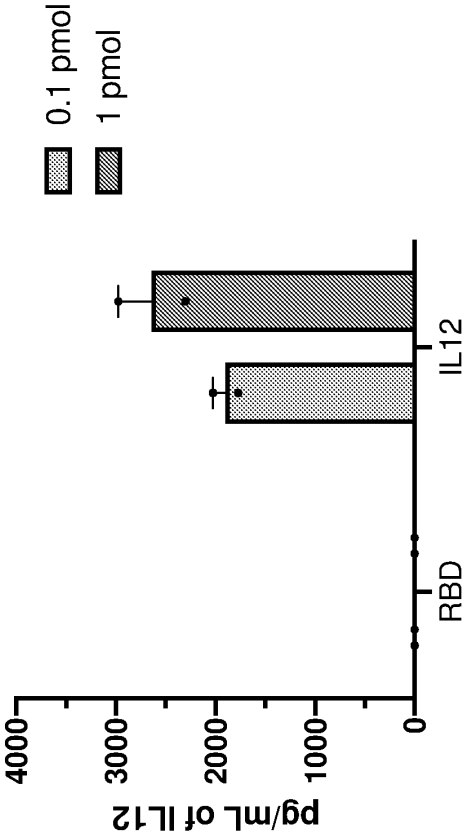


FIG. 12A

IL12p70 Expression *in vivo*

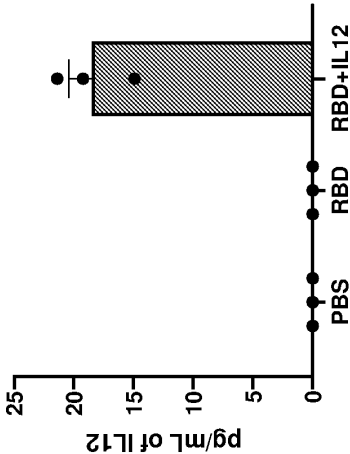


FIG. 12B

Increase in serum IFN γ shows IL12p70 is functional

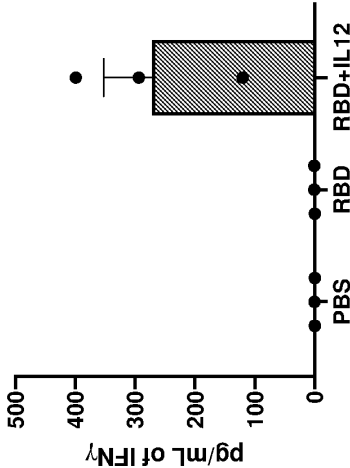


FIG. 13A

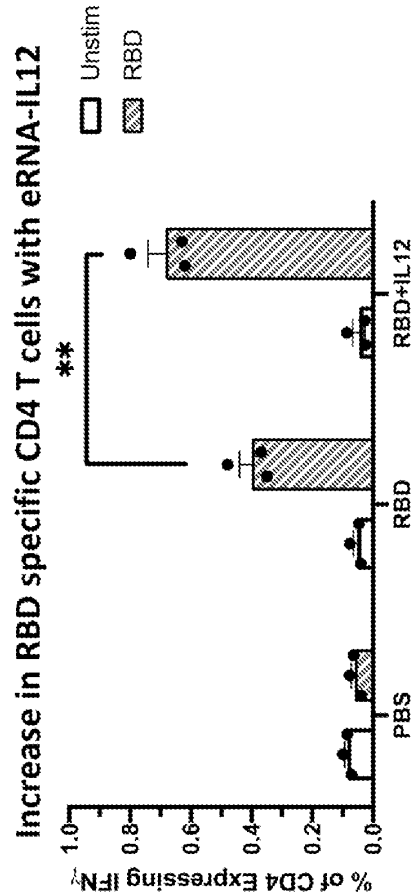


FIG. 13B

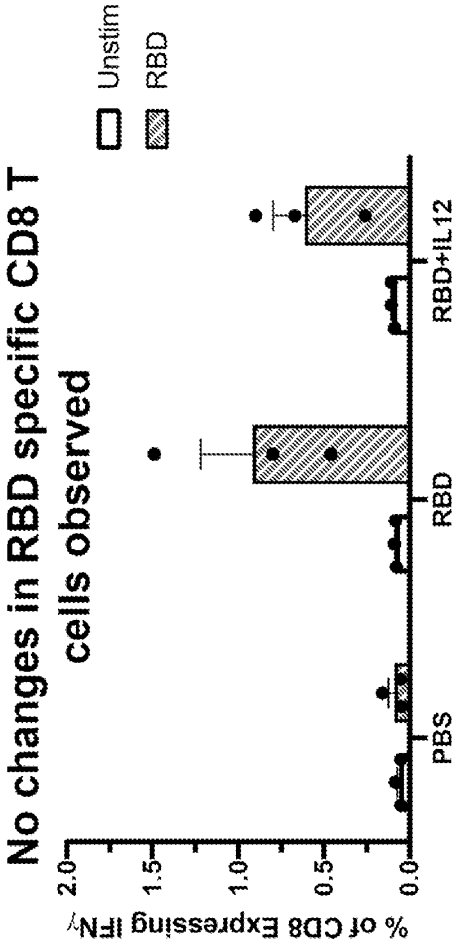


FIG. 13D

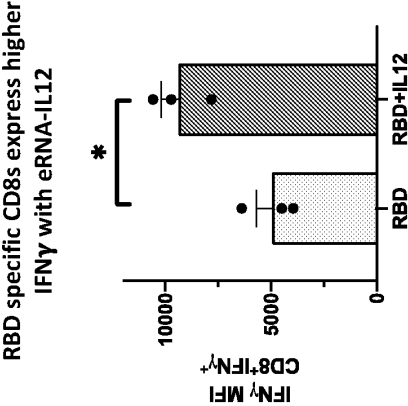


FIG. 13C

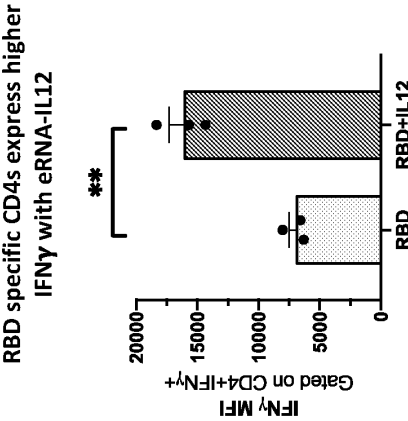


FIG. 14

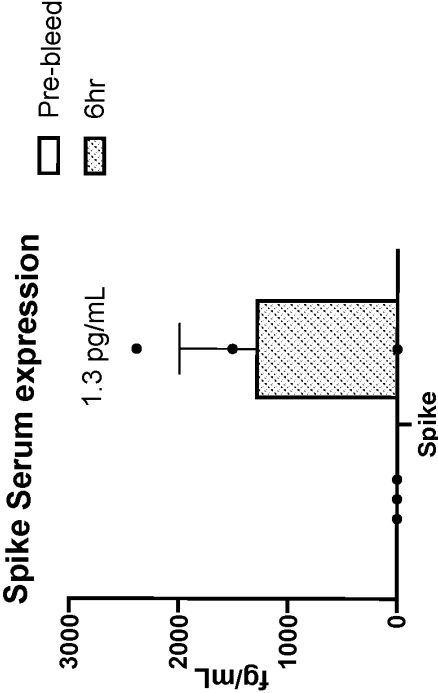


FIG. 15

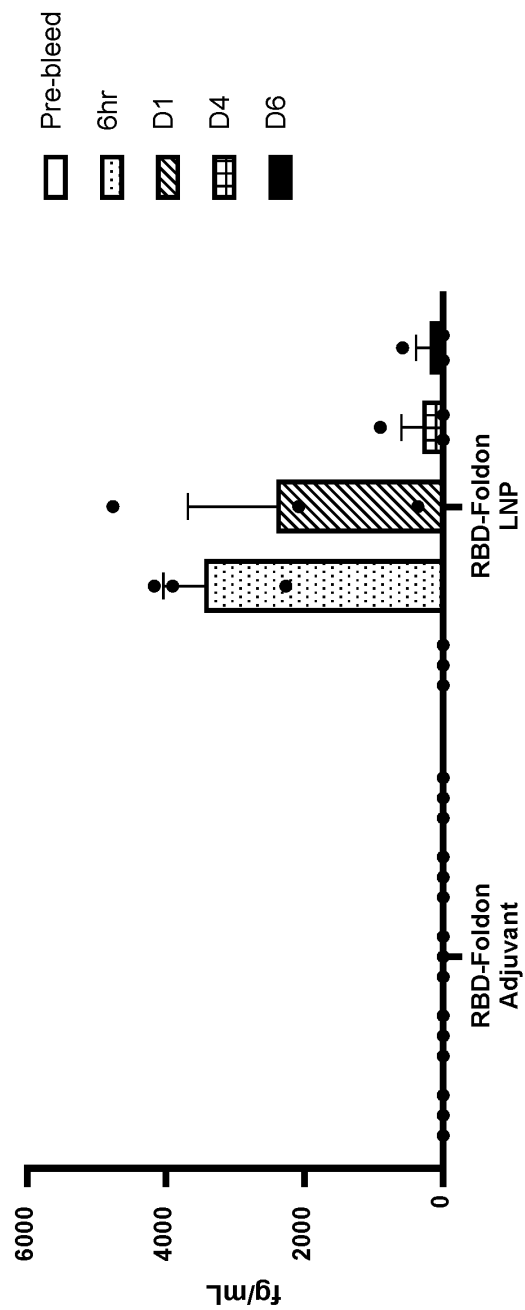


FIG. 16A

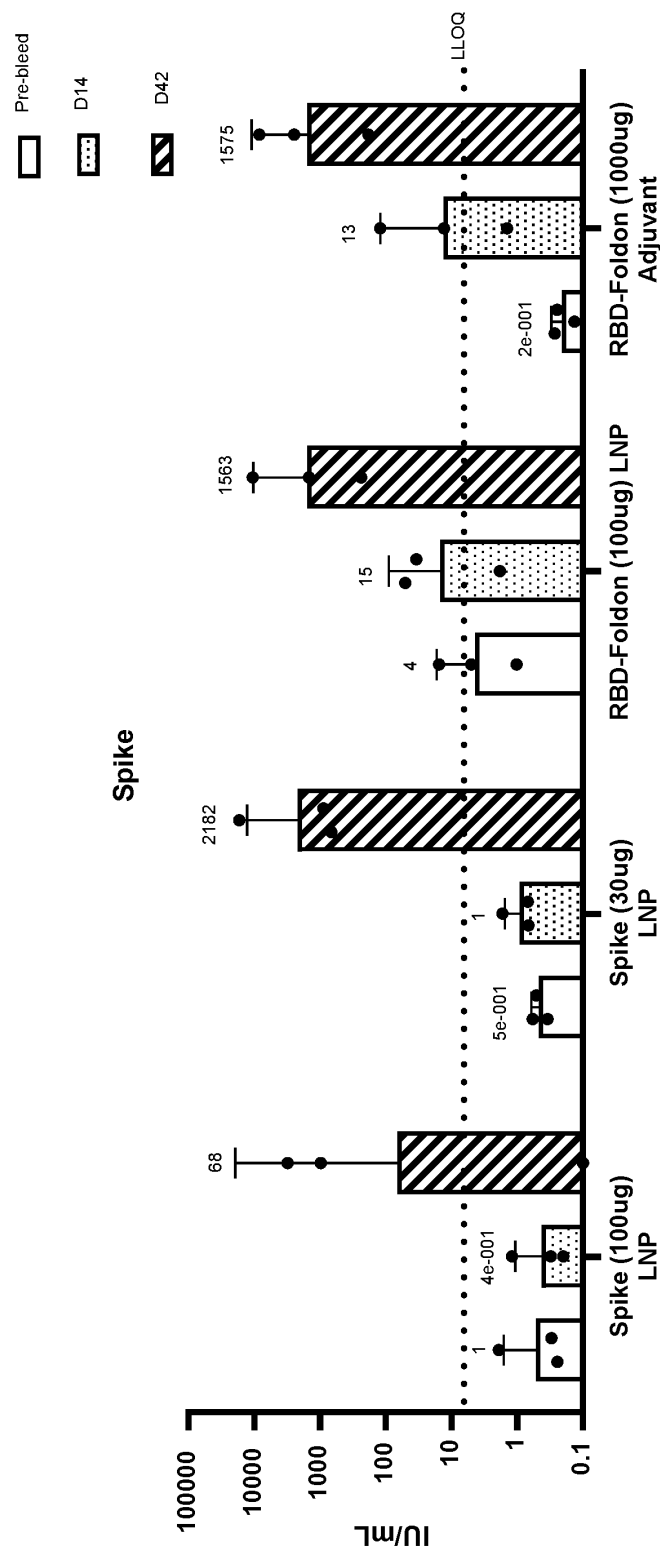


FIG. 16B

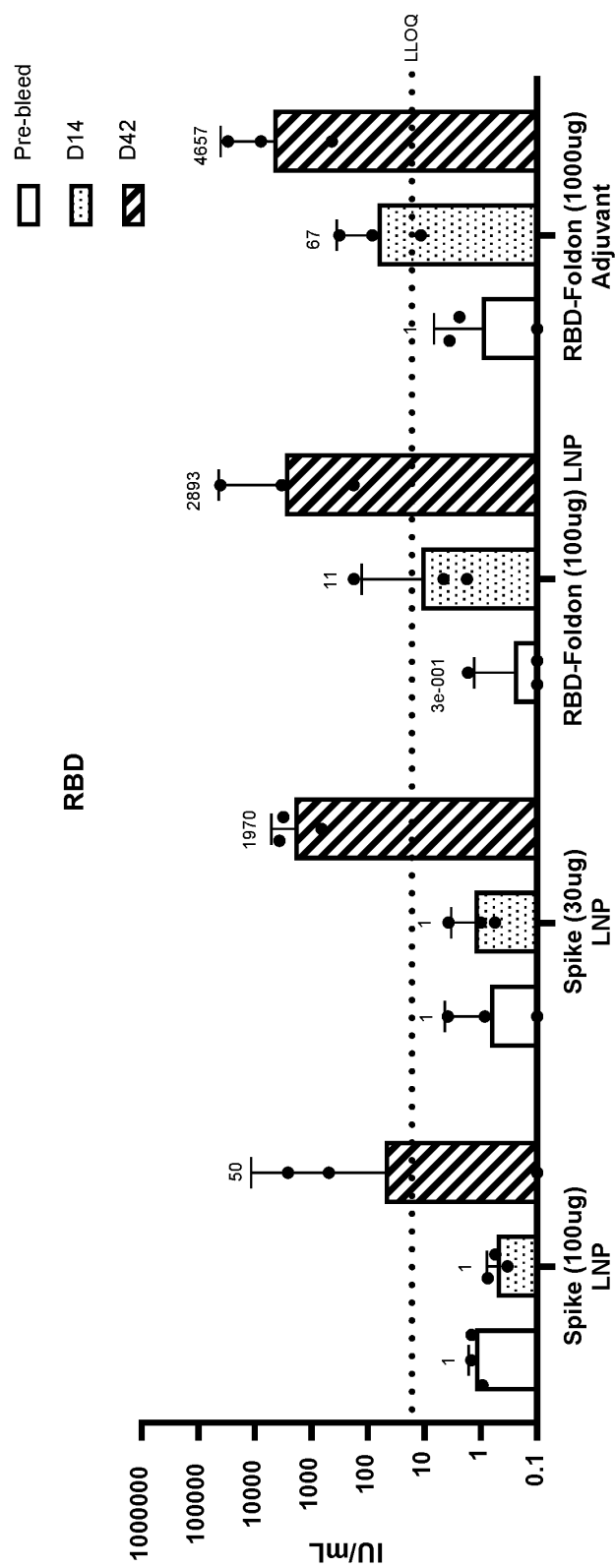


FIG. 17A

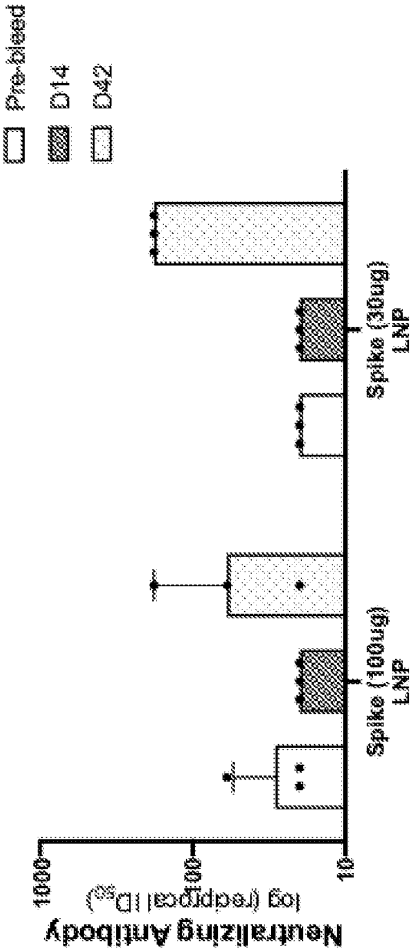


FIG. 17B

