

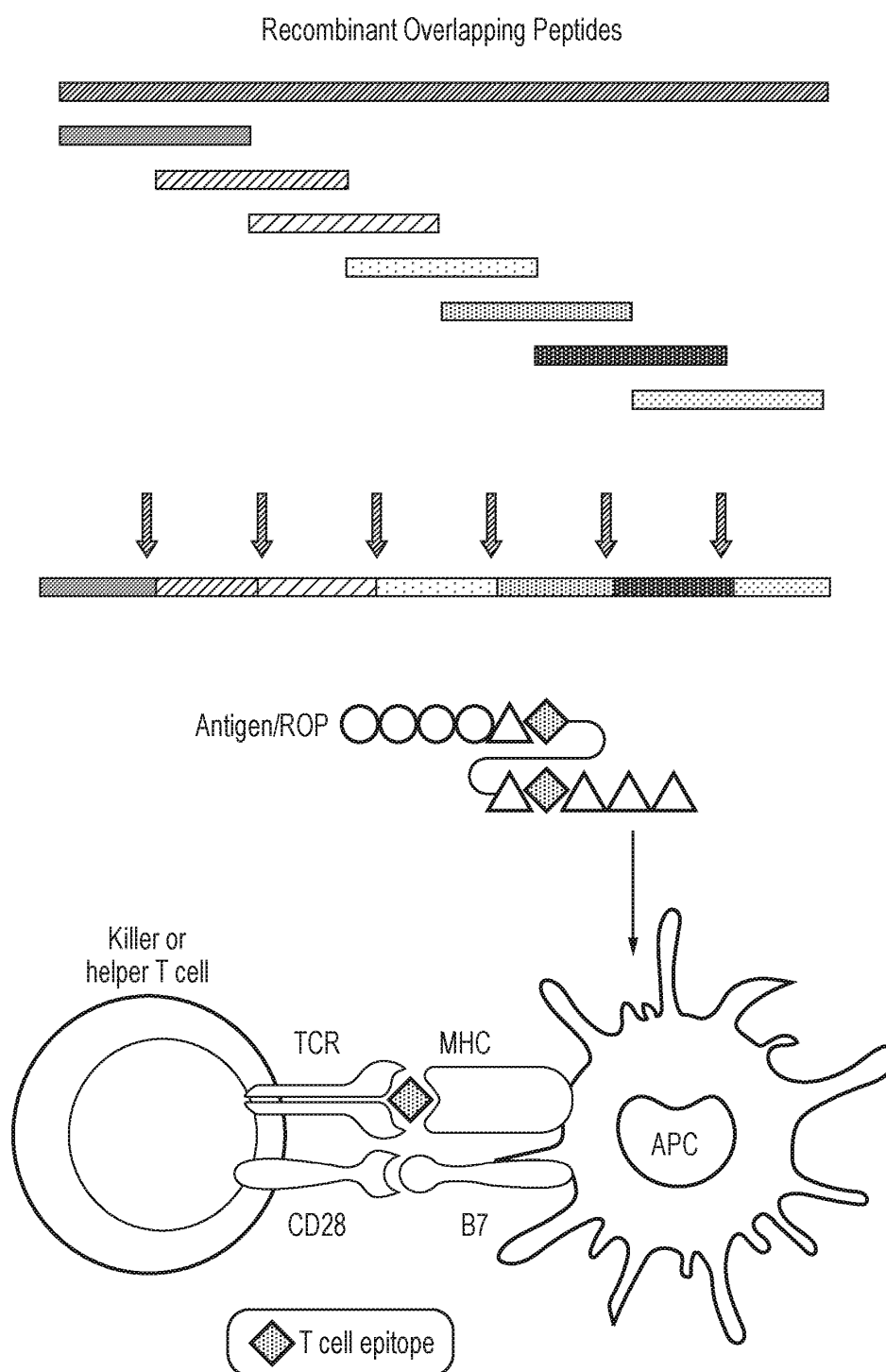


FIG. 1

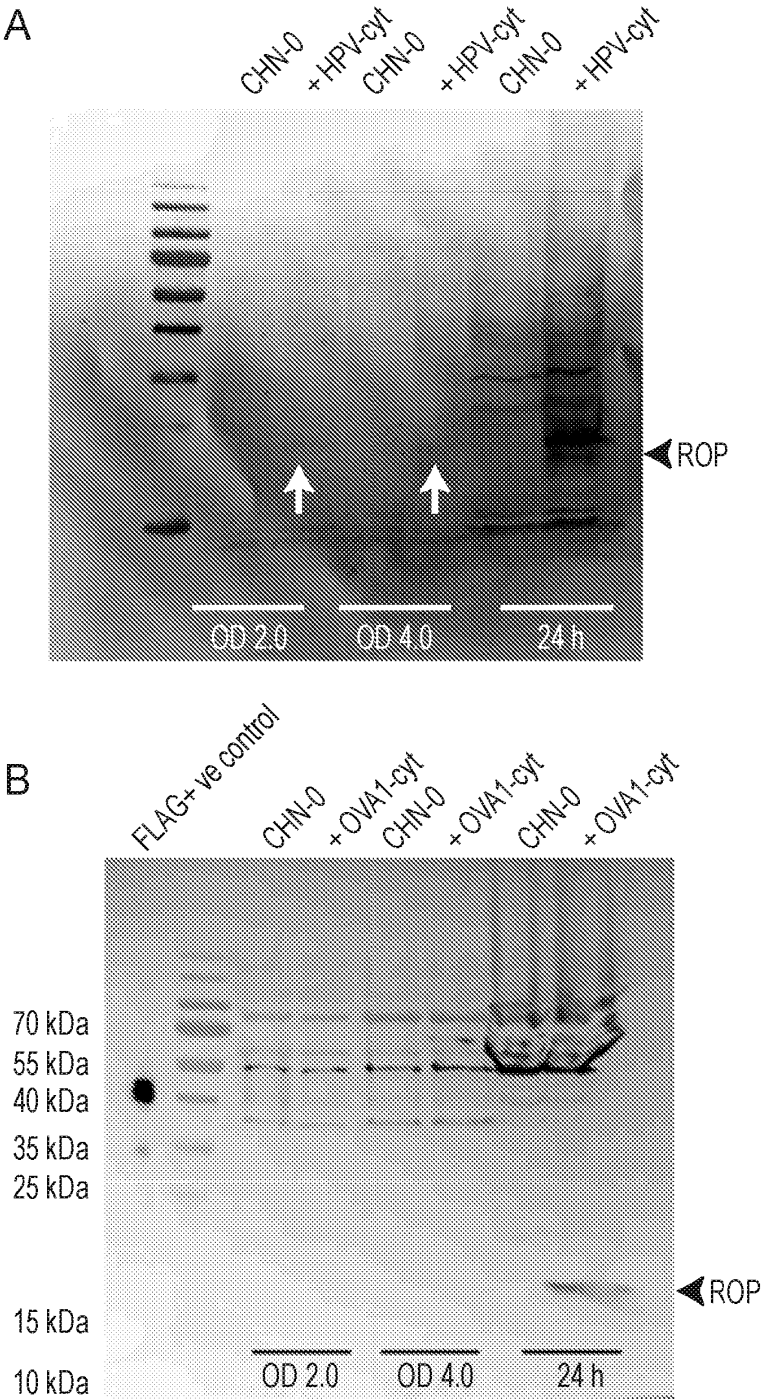


FIG. 2

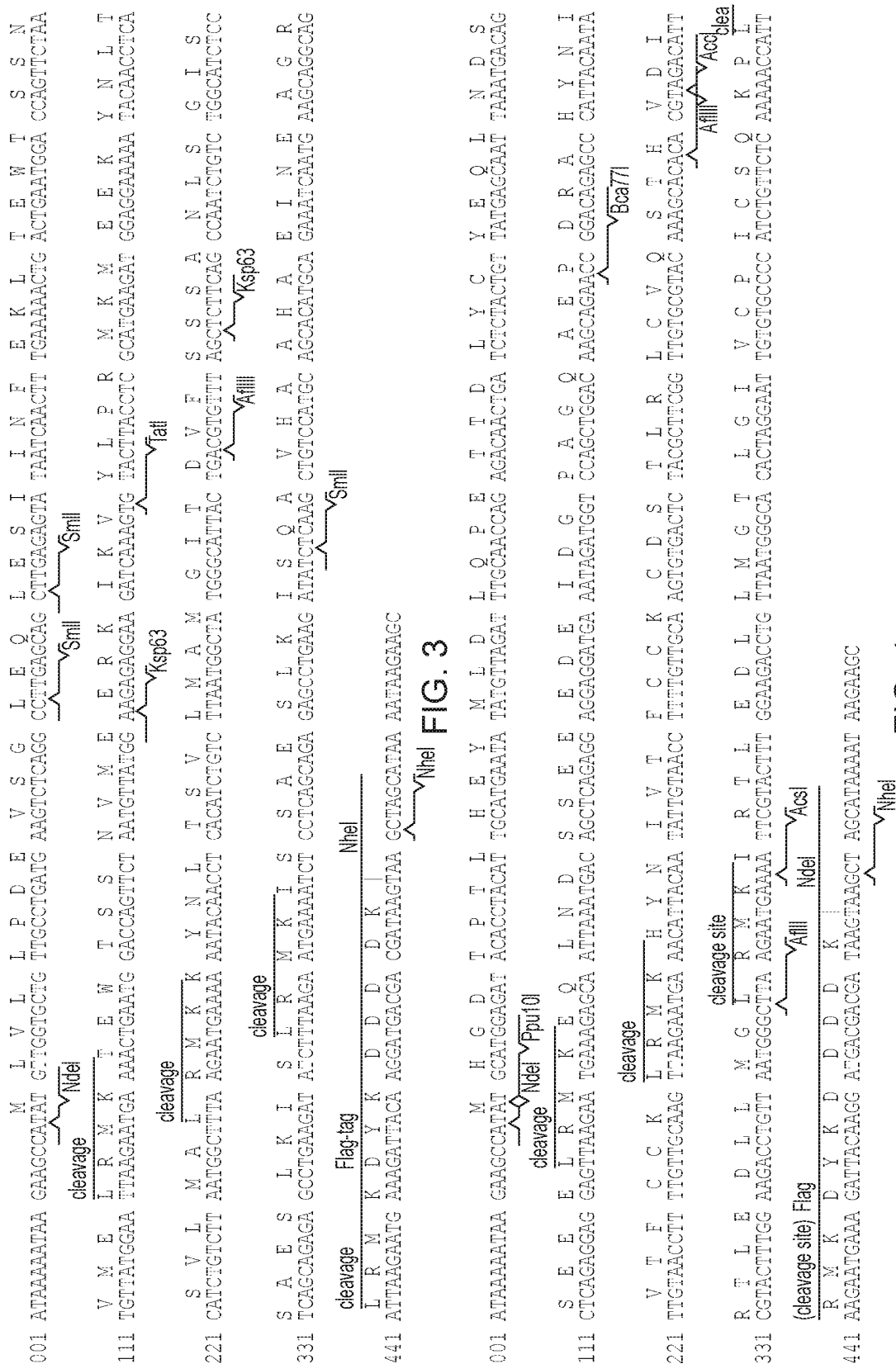


FIG. 3

FIG. 4

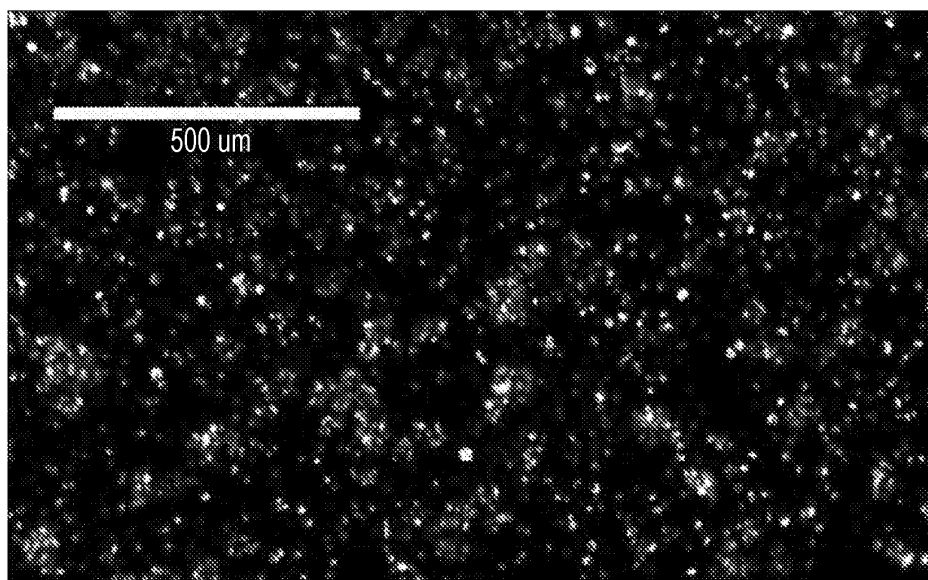


FIG. 5

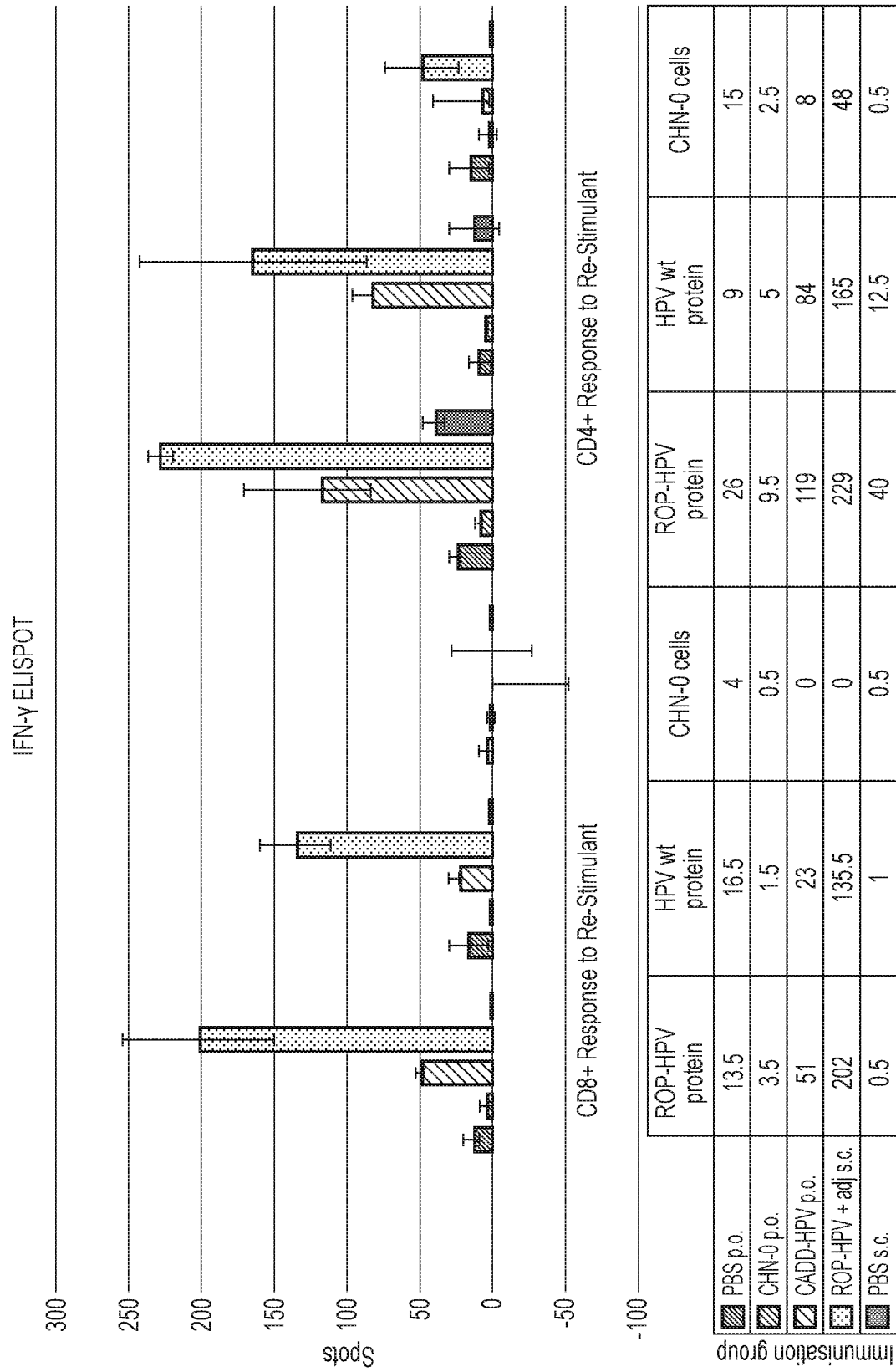


FIG. 6

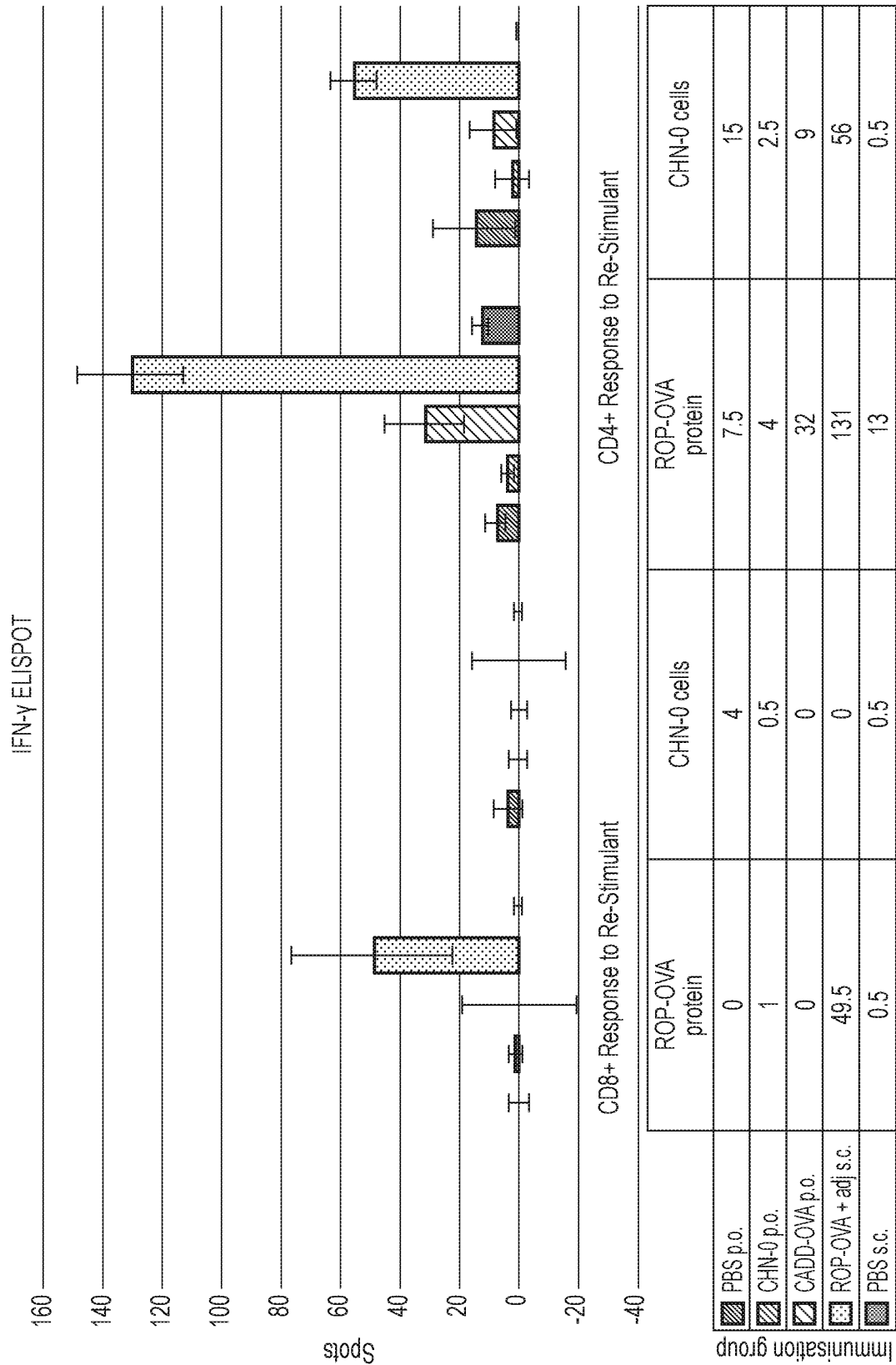


FIG. 7

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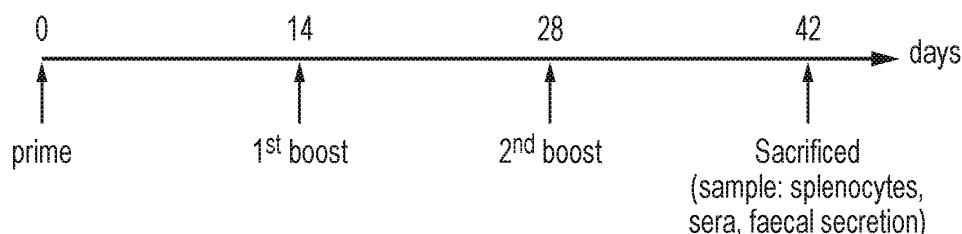


FIG. 8

p0957 CtxB genomic sequence (SEQ ID NO: 20):

GCGGCCGCGGGATACTGCAGAAGATATAATAGATTCAATGAAAATGTGGAGTAAATAAAAAA
 TCGGATAGAAATATCCGATTTTTTATTTAAAAAGACTTAAAAAAGTGCTTGACTCTTGGAAT
 TTTAAGAAAAAATATGGTATAATCATATTACGTAATAAAAAATACATTTATATAGTAATACCAT
 ATAAATGCCAATAATTGATAAAAAAATTAAATTCAATTAAATCACATGAGCGAGTAAGAATTC
 AAGGAGGTGTGTTACATATGACACCACAAAACATAACAGATTTATGTGCTGAGTATCATAATA
 CACAAATATATACACTTAATGATAAAATATTTTCATATACAGAATCATTAGCTGGAAAAAGAG
 AAATGGCAATAATAACATTTAAAAATGGAGCAATATTTCAAGTTGAAGTTCCTGGAAGTCAAC
 ACATTGATTCACAAAAAAGCAATAGAAAGAATGAAAGATACATTAAGAATAGCATACTTAA
 CAGAAGCAAAAGTTGAAAAATTATGTGTTTGGGAATAATAAAACACCACATGCAATAGCAGCAA
 TATCAATGGCAAATGATTATAAAGATGACGATGATAAATAAGCTAGC

NotI site*p0957 promoter sequence***NdeI site** with methionine nucleotide signal (ATG)*ctxB* encoded gene**C-terminal FLAG tag****NheI site****Translated protein sequence (SEQ ID NO: 21):**

MTPQNITDLCAEYHNTQIYTLNDKIFSYTESLAGKREMAIITFKNGAIFQVEVPGSQHIDSQK
 KAIERMKDTRLRIAYLTEAKVEKLCVWNNKTPHAIAAISMANDYKDDDDK

C-terminal FLAG tag

FIG. 9

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	1	10	20	30	40	50	60	
	----- ----- ----- ----- ----- -----							
P01556	MIKLLKFGVFFTVLLSSAYAHGTPQNITDLCAEYHNTQIYTLNDKIFSYTESLAGKREMAII							
CHAIN_CtxB	MTPQNITDLCAEYHNTQIYTLNDKIFSYTESLAGKREMAII							
Consensus	gTPQNITDLCAEYHNTQIYTLNDKIFSYTESLAGKREMAII							
	70	80	90	100	110	120		
	----- ----- ----- ----- ----- -----							
P01556	TFKNGAIFQVEVPGSQHIDSQKKAIERMKDTLRIAYLTEAKVEKLCVWNNKTPHAIAAISM							
CHAIN_CtxB	TFKNGAIFQVEVPGSQHIDSQKKAIERMKDTLRIAYLTEAKVEKLCVWNNKTPHAIAAISM							
Consensus	TFKNGAIFQVEVPGSQHIDSQKKAIERMKDTLRIAYLTEAKVEKLCVWNNKTPHAIAAISM							
	130	132						

P01556	AN							
CHAIN_CtxB	ANDYKDDDDK							
Consensus	AN.....							

FIG. 9

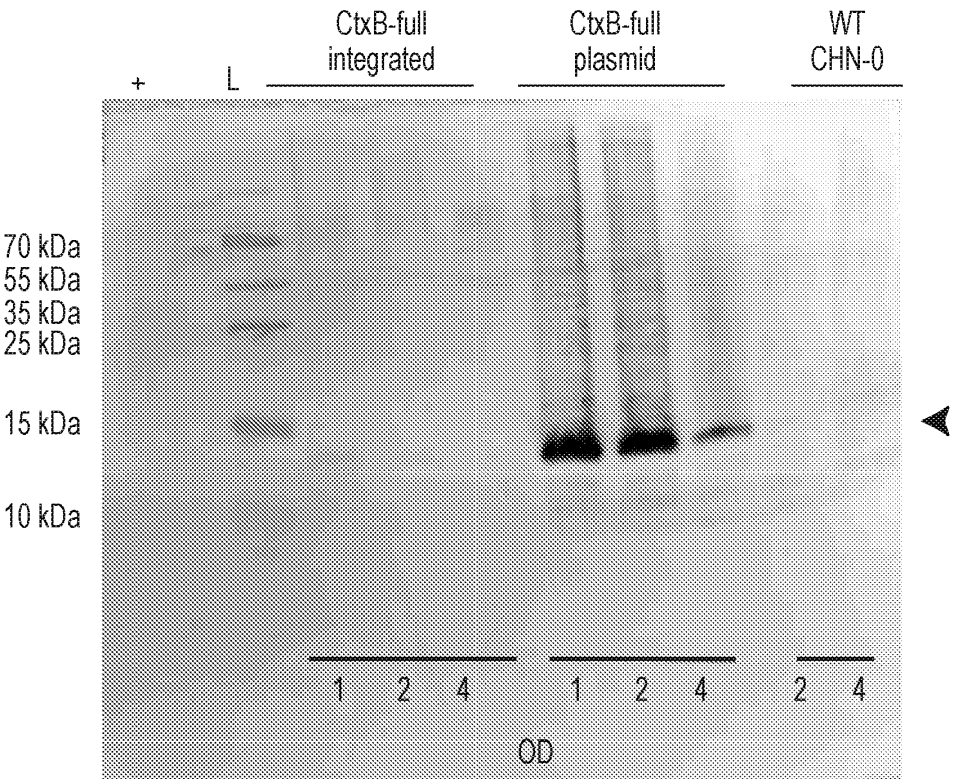


FIG. 10