Table S24: IgG+ B cells detected as epitope-specific (KO-GT8++) response rate testing between vaccine and placebo recipients by time point. Testing was done using Barnard's test (two-sided, $\alpha=0.05$) and p values less than 0.05 are highlighted.

		Sample Type	Response Rates (95% Wilson CI)	P Value
Placel	bo vs. 20µg			
_	Wk3 (V05)	FNA/IgG GC B cells	0/6 = 0.0% (0.0%, 39.0%) vs. 12/16 = 75.0% (50.5%, 89.8%)	0.0017
_	Wk4 (V06)	$PBMCs/IgG\ memory\ B\ cells$	0/12 = 0.0% (0.0%, 24.2%) vs. $18/18 = 100.0%$ (82.4%, 100.0%)	< 0.0001
	Wk8 (V07)	$PBMCs/IgG\ memory\ B\ cells$	0/12 = 0.0% (0.0%, 24.2%) vs. $18/18 = 100.0%$ (82.4%, 100.0%)	< 0.0001
	Wk9 (V07A)	Fresh PBMCs/IgD- PBs	0/12 = 0.0% (0.0%, 24.2%) vs. 18/18 = 100.0% (82.4%, 100.0%)	< 0.0001
=	Wk10 (V08)	PBMCs/IgG memory B cells	0/12 = 0.0% (0.0%, 24.2%) vs. 17/17 = 100.0% (81.6%, 100.0%)	< 0.0001
_	Wk11 (V09)	FNA/IgG GC B cells	0/5 = 0.0% (0.0%, 43.4%) vs. $12/14 = 85.7%$ (60.1%, 96.0%)	0.0006
_	Wk16 (V10)	PBMCs/IgG memory B cells	0/12 = 0.0% (0.0%, 24.2%) vs. 18/18 = 100.0% (82.4%, 100.0%)	< 0.0001
Placel	bo vs. 100µg			
	Wk3 (V05)	$FNA/IgG\ GC\ B\ cells$	0/6 = 0.0% (0.0%, 39.0%) vs. 13/16 = 81.2% (57.0%, 93.4%)	0.0007
	Wk4 (V06)	PBMCs/IgG memory B cells	0/12 = 0.0% (0.0%, 24.2%) vs. 18/18 = 100.0% (82.4%, 100.0%)	< 0.0001
	Wk8 (V07)	PBMCs/IgG memory B cells	0/12 = 0.0% (0.0%, 24.2%) vs. 17/17 = 100.0% (81.6%, 100.0%)	< 0.0001
-	Wk9 (V07A)	Fresh PBMCs/IgD- PBs	0/12 = 0.0% (0.0%, 24.2%) vs. 17/17 = 100.0% (81.6%, 100.0%)	< 0.0001
_	Wk10 (V08)	PBMCs/IgG memory B cells	0/12 = 0.0% (0.0%, 24.2%) vs. 17/17 = 100.0% (81.6%, 100.0%)	< 0.0001
-	Wk11 (V09)	FNA/IgG GC B cells	0/5 = 0.0% (0.0%, 43.4%) vs. $10/14 = 71.4%$ (45.4%, 88.3%)	0.0059
-	Wk16 (V10)	PBMCs/IgG memory B cells	0/12 = 0.0% (0.0%, 24.2%) vs. 16/16 = 100.0% (80.6%, 100.0%)	< 0.0001
20μg [,]	vs. 100µg			
10	Wk3 (V05)	$FNA/IgG\ GC\ B\ cells$	12/16 = 75.0% (50.5%, 89.8%) vs. 13/16 = 81.2% (57.0%, 93.4%)	0.7840
-	Wk4 (V06)	PBMCs/IgG memory B cells	18/18 = 100.0% (82.4%, 100.0%) vs. $18/18 = 100.0%$ (82.4%, 100.0%)	1.0000
_	Wk8 (V07)	PBMCs/IgG memory B cells	18/18 = 100.0% (82.4%, 100.0%) vs. $17/17 = 100.0%$ (81.6%, 100.0%)	1.0000
_	Wk9 (V07A)	Fresh PBMCs/IgD- PBs	18/18 = 100.0% (82.4%, 100.0%) vs. $17/17 = 100.0%$ (81.6%, 100.0%)	1.0000
-	Wk10 (V08)	PBMCs/IgG memory B cells	17/17 = 100.0% (81.6%, 100.0%) vs. $17/17 = 100.0%$ (81.6%, 100.0%)	1.0000
_	Wk11 (V09)	FNA/IgG GC B cells	12/14 = 85.7% (60.1%, 96.0%) vs. $10/14 = 71.4%$ (45.4%, 88.3%)	0.5260
_	Wk16 (V10)	PBMCs/IgG memory B cells	18/18 = 100.0% (82.4%, 100.0%) vs. $16/16 = 100.0%$ (80.6%, 100.0%)	1.0000