Table S2. Quantification of Env-specific GC B cells used for BCR sequence analyses, Related to Figures 4 and 5.

Sorted cells used in BCR analyses		
	LN	**GC B (% Env-specific B cells)**
Bolus	224-13 R	50.1
	224-13 L	81.2
	RRk16 R	88.7
	RRk16 L	92.9
	RCn16 R	71.7
	RCn16 L	78.7
2w pumps	RQq16 R	64.4
	RQq16 L	83.6
	RVh16 R	89.1
	RVh16 L	88.5
	RWr16 R	71.6
	RWr16 L	78.3
	RYm16 R	80.7
	RYm16 L	80.3
4w pumps	RFr16 R	81.1
	RFr16 L	86.4
	ROw16 R	68.1
	ROw16 L	50.8
	RTh16 R	71.6
	RTh16 L	68.2
	RWh16 R	89.8
	RWh16 L	85.7

Table S3. Sequences of BDA monoclonal antibodies, Related to Figure 5.

Antibody name	Heavy chain	Light chain
BDA1	QVQLQESGPGLVKPSETLSLTCAVSGASISIYWWGWIRQ PPGKGLEWIGEIIGSSGSTNSNPSFKSRVTISKDASKNQF SLNLNSVTAADTAVYYCVRVGAAISLPFDYWGQGVLVTV SS	SYELTQPPSVSVSPGQTARITCSGDALPKKYAYWFQQKPGQ SPVLIIYEDNKRPSGIPERFSGSSSGTVATLTISGAQVEDEGD YYCYSRHSSGNHGLFGGGTRLTVL
BDA2	QVQLQESGPGLLKPSETLSLTCAVSGGSFSSYWWSWIR QPPGKGLEWIGEINGNSGSTHYNPSLKSRVTISKDASKN QFSLKLNSVTAADTAVYYCARWGPTGVTQGEPDFDYW GQGVLVTVSS	SYELTQPPSVSVSPGQTARITYSGDALPKRYAYWFQQKPG QSPVLIIYEDSKRPSGIPERFSGSSSGTVATLTISGAQVEDE ADYYCYSTDSSGNHFFGAGTRLTVL
BDA3	QVQLQESGPGLVKPSETLSLTCAVSGHSVSSGYGWGWI RQPPGKGLEWIGQIYGYSGSTSYNPSLKSRVTVSTDTSK NQFSLRLSSLTAADTAVYYCARWHHGSFDIWGPGTPITI SS	SYELTQPPSVSVSPGQTARITCSGDALPKKYAYWFQQKPG QSPVLIIYEDNKRPSGIPERFSGSSSGTVATLTINGAQVEDE GDYYCYSRHSSGNHGLFGGGTRLTVL
BDA4	QVQLQESGPGLVKPSETLSLTCAVSGASIRIYWWGWIR QPPGKGLEWIGEIIGSSGSTNSNPSFKSRVTISKDASKN QFSLNLNSVTAADTAVYYCVRVGAAISFPFDYWGQGVL VTVSS	SSELTQPPSVSVSPGQTARITCSGDALPKKYAYWFQQKPG QSPVLIIYEDNKRPSGIPERFSGSSSGTVATLTISGAQVEDE GDFYCYSRHSSGNHGLFGGGTRLTVL
BDA5	QVQLQESGPGLLKPSETLSLTCAVSGGSFSSYWWSWIR QPPGKGLEWIGEINGNSGNTHYNPSLKSRVTISKDASKN HFSLKLSSVTAADTAVYYCARWGPTGVTQGEPDFDYW GQGVLVTVSS	SYELTQPPSVSVSPGQTARITYSGDALPKKYAYWFQQKPG QSPVLIIYEDNKRPSGIPERFSGSSSGTVATLTISGAQVEDE ADYYCYSTDSSGNHFFGAGTRLTVL
BDA6	QVQLQESGPGLLKPSETLSLTCAVSGGSFSSYWWSWIR QPPGKGLEWIGEINGNSGSTHYNPSLKSRVTISKDASKN QFSLKLNSVTAADTAVYYCARWGPTGVTQGEPDFDYW GQGVLVTVSS	SYELTQPPSVSVSPGQTARITCSGDALPKKYVYWFQQKPG QSPVLIIYEDSKRPSGIPERFSGSSSGTVATLTISGAQVEDE ADYYCYSTISSGNDRIFGAGTRLTVL
BDA7	QVQLQESGPGLVKPSETLSLTCAVSGASISIYWWSWIRQ PPGKGLEWIGEIIGNSGSTNSNPSFKSRVTISKDASKNQF SLKLSSVTAADTAVYYCVRVGAAISLPYDYWGQGVLVTV SS	SYELTQPPSVSVSPGQTARITCSGDALPKKYAYWFQQKPGQ SPVLIIYEDNKRPSGIPERFSGSSSGTVATLTISGAQVEDEGDY YCYSRHSSGNHGLFGGGTRLTVL
BDA8	QVQLQESGPGLLKPSETLSLTCAVSGGSFSSYWWSWIR QPPGKGLEWIGEINGNSGNTHYNPSLKSRVTISKDASKN QFSLKLSSVTAADTAVYYCARWGPTGVTQGEPEFDYW GQGVLVTVSS	SYELTQPPSVSVSPGQTARITYSGDALPKKYAYWFQQKPGQS PVLIIYEDNKRPSGIPERFSGSSSGTVATLTISGAQVEDEADYY CYSTDSSGNHFFGAGTRLTVL
BDA9	QVQLQESGPGLLKPSETLSLTCAVSGGSFSNYWWSWIR QPPGKGLEWIGEINGNSGSTHYNPSLKSRVTISKDASKN QFSLKLNSVTAADTAVYYCARWGPTGVTQGEPDFDFW GQGVLVTVSS	SYELTQPPSVSVSPGQTARITYSGDALPKRYAYWFQQKPGQ SPVLIIYEDSKRPSGIPERFSGSSSGTVATLTISGAQVEDEADY YCYSTDSSGNHFFGVGTRLTVL
BDA10	QVQLQESGPGLVKPSETLSLTCAVSGVSISIYWWSWIRQ PPGKGLEWIGEIIGNSGNTNSSPSFKSRVTISKDASKNQF SLKLSSVTAADTAVYYCVRVGAAISLPFDYWGQGVLVTV SS	SYELTQPPSVSVSPGQTARITCSGDALPEKYAYWFQQKPGQ SPVLIIYDDNIRPSGIPERFSGSSSGTVATLTISGAQVEDEGDY YCYSRHSSGNHGLFGGGTRLTVL
BDA11	QVQLQESGPGLVKPSETLSLTCAVSGGSFSSYWWSWIR QPPGKGLEWIGEINGNSGSTNYNPSLKSRVTISKDASKN QFSLKLSSVTAADTAVYYCARVRVGAAISLPFDYWGQG VLVTVSS	SYELTQPPSVSVSPGQTARITCSGDALPKKYAYWFQQKPGQ SPVLIIYEDNKRPSGIPERFSGSSSGTVATLTISGAQVEDEGDY YCYSRHISGNHGLFGGGTRLTVL
BDA12	BDA1 HC	SYELTQPPSVSVSPGQTARITCSGDALPKKYAYWFQQKPGQ SPVLIIYEDNKRPSGIPERFSGSSSGTVATLTISGAQVEDEGDY YCFSRHSSGNHGLFGGGTRLTVL
BDA13	BDA1 HC	SYELTQPPSVSVSPGQTARITCSGDALPKKYAYWFQQKPGQ SPVLIIYDDSQRPSGIPERFSGSSSGTVATLTISGAQVEDEGDY YCFSRHSSGNHGLFGGGTRLTVL