

**S1 Table. Amino acid sequences of variable regions of mAb 2E1 and 3B1**

	Heavy chain variable region	Light chain variable region
2E1	QVQLVESGGGLVQPGGSLRLSCAASGFTFSSYAITWVR QAPGKGLEWVSNINSDGSSTYYADSVKGRFTISRDNK NTLYLQMNSLRAEDTAVYYCARTTFFMGLYFDVWGQ GTLVTVSS	DIELTQPPSVSVAPGQTARISCSGDNIGSTYAYWYQQKPG QAPVLVIYDDTNRPSGIPERFSGSNSGNTATLTISGTQAED EADYYCQTYDNQYLFGVFGGGTKLTVL
3B1	QVQLVQSGAEVKKPGSSVKVSCASGGTFSDYYISWV RQAPGQGLEWMGGIIPFGTANYAQKFQGRVTITADE STSTAYMELSSLRSEDVAVYYCARKYPVNFGGFASWG QGTLVTVSS	DIVMTQSPLSLPVTGPESISCRSSQSLSSNGYTYLNWY LQKPGQSPQLLIYLGSSRASGVPDRFSGSGSDFTLKISR VEAEDVGVYYCQQYNNDPITFGQGTKVEIKRT