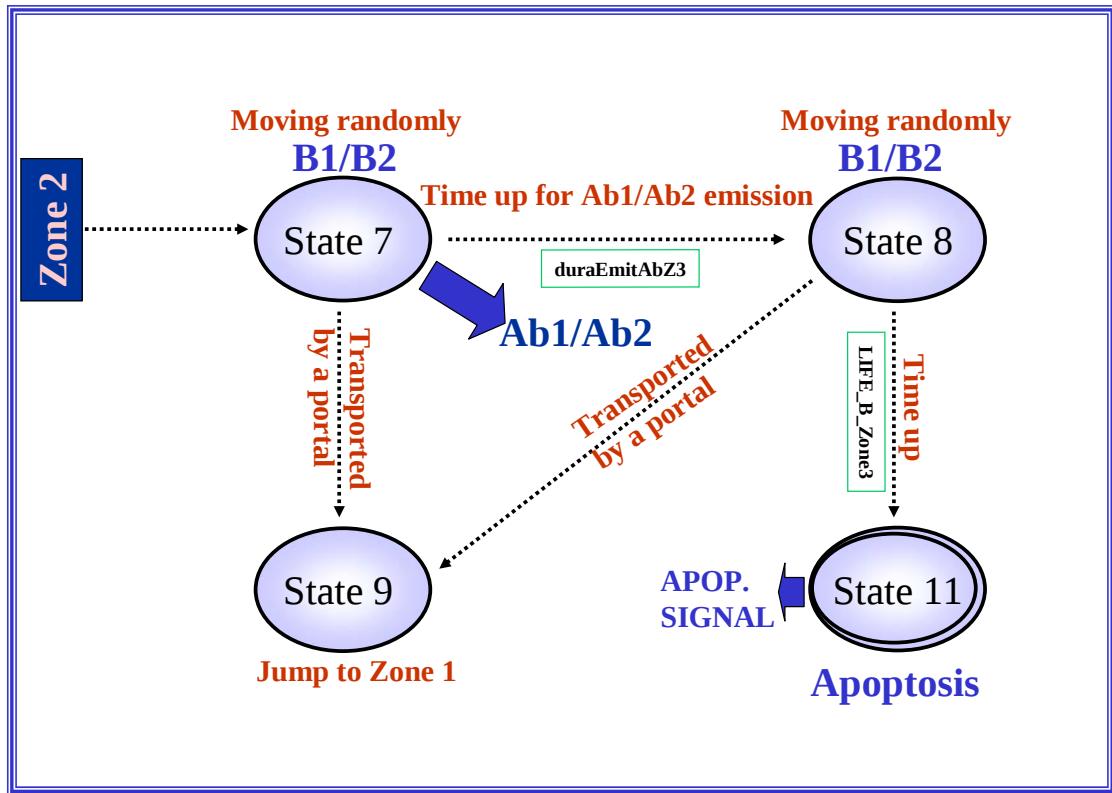




Additional file 8. State Diagram: B Cell agents (Bs) in Zone 3.

Activated Bs in States 3 or 4 represent plasma cells and migrate to Zone 3 where they produce antibody (Ab) that diffuses into Zone 1, and they may migrate into the actual site of inflammation, Zone 1, from there (State 9) [104]. As long as they remain in Zone 3 they move randomly. Bs have a finite lifetime (LIFE_B_Zone3) and a finite period of time to produce Ab in Zone 3 (duraEmitAbZ3) determined by input parameters.