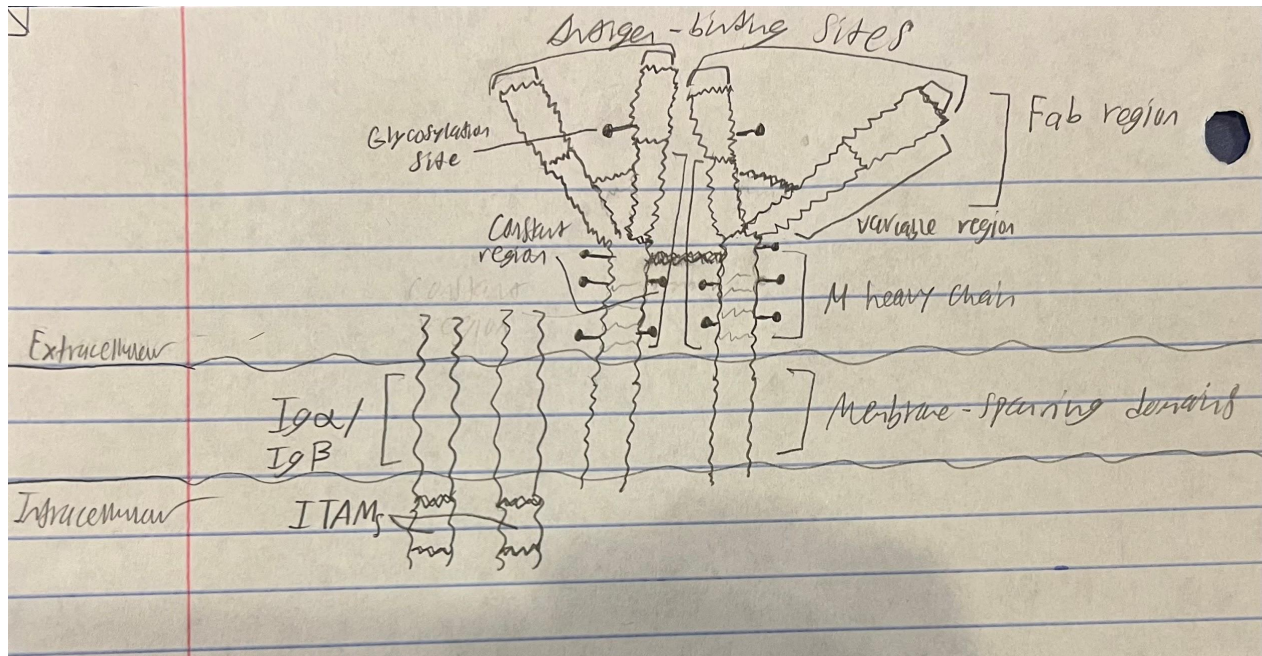


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In the drawing, I have drawn an IgM molecule that is embedded in the B cellular membrane. Like most other Ig molecules, it has the constant and variable regions to help with its function and has coreceptors, Iα and Iβ to assist with signal function. The heavy chain of this molecule is a mu heavy chain. When compared to the soluble IgM molecule, its structure is completely different. The soluble IgM molecule is a pentamer with IgMs stuck together, to help bind with a certain ligand, when in the bloodstream, to then assist with its overall function.