Exam #2 Review

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| **Across**  **2.** Protein that guards the groove of MHC II until peptide arrives  **4.** Proteins presented by MHC II molecules  **7.** FDC chemokine that binds to receptor on B cell to increase chances of finding T cells  **8.** Process where negative selection is used to ensure T cell does not recognize self antigen  **9.** activated Th/Tc cells that work for immune system to produce a response  **13.** Ligand that binds to protein on target cell to cause apoptosis  **14.** Antibody class that was the first to evolve and is good at activating the complement cascade  **17.** Antibody that can pass from placenta to fetus  **18.** Secondary protein B cells express for co-stimulation and activation  **19.** MHC I molecules are billboards for this type of protein  **20.** Where T cells mature  **22.** Antigen that causes an allergic reaction  **23.** Cell death of T cells via Fas ligand  **27.** This transporter screens peptides and transports to MHC I with right length and C terminus  **28.** Process where positive selection is used to ensure T cell recognizes MHC/peptide  **29.** T cells that express YS TCRs and focus on un-presented antigen  **30.** T cell/DC region of lymph node | **Down**  **1.**  Type of B cell activation that does not depend on cognate antigen recognized by the BCR  **3.** Changes part of rearranged antibody gene that encodes antigen binding region of antibody  **5.** Antibody that guards mucosal surfaces of the body  **6.** Antibody related to allergen response  **10.** Cells that display antigen to B cells by binding to complement fragments (already opsonized)  **11.** Th cells that produce TNF, IFN-y, IL-2 cytokines  **12.** Cytokine produced by iTreg that reduces the proliferation rate of T cells  **15.** BCRs clustered together on surface of B cell to generate activation signal  **16.** Special region in small blood vessels where there are high endothelial cells  **21.** T cells that express AB TCRs and focus on presented antigen  **24.** Protein on an experienced T cell that is expressed to repress activation via antagonization of CD28 signal  **25.** receptors on DCs that imprint with regional identity  **26.** Tiny region of cognate antigen that BCR binds to |