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 |