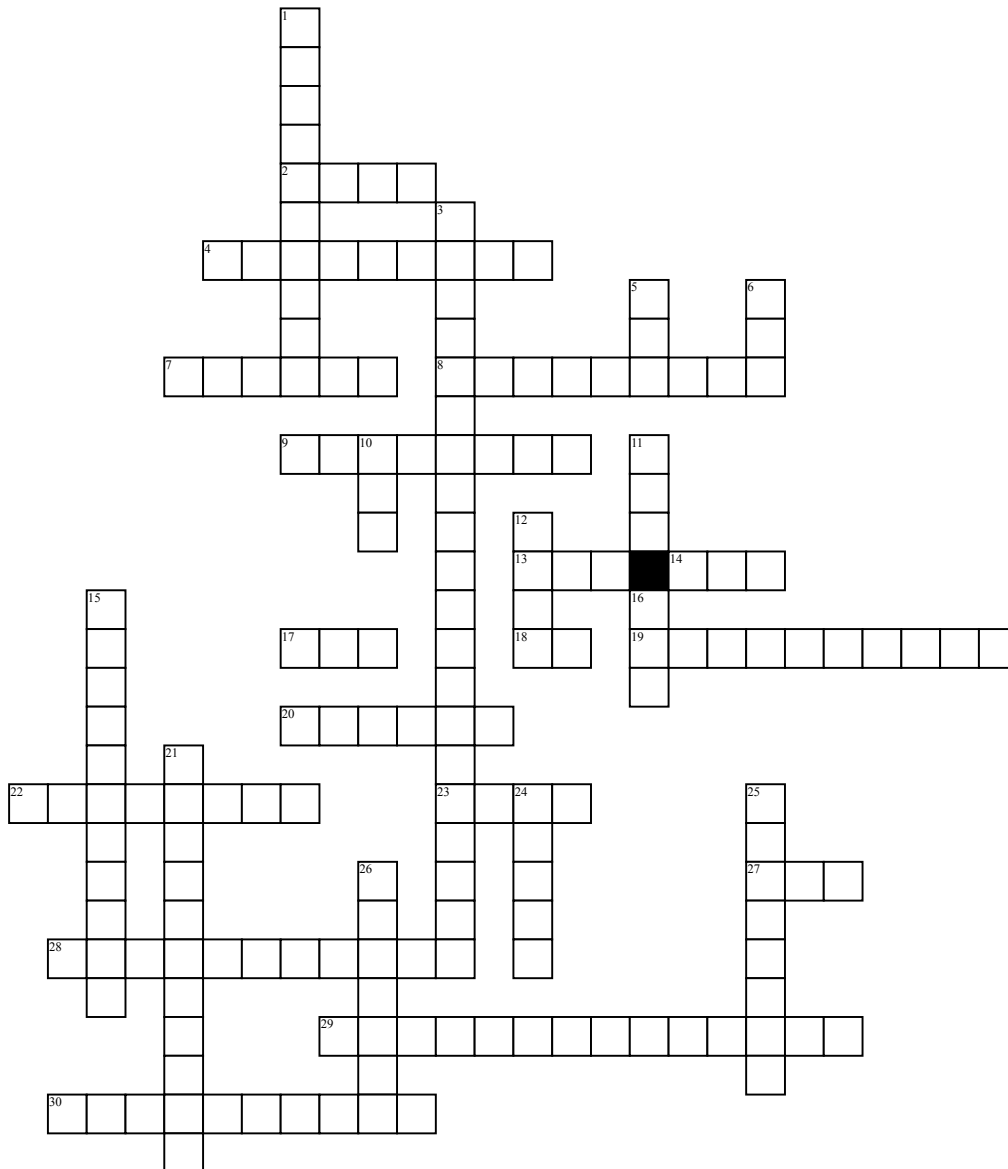


Exam #2 Review



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-γ, 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