Basic Immunology

**Across**
3. antibody that can cross the placenta  
6. series of natural producing proteins that enhance host defense mechanisms  
8. chemical substance that binds to antigen to increase rate of action of phagocytes  
17. differentiated monocyte in tissue involved in phagocytosis  
19. largest antibody  
20. antibody  
23. acute phase protein that binds irreversibly with free hemoglobin  
25. initial force of attraction between antibody and antigen  
26. cytokine found in leukocytes  
28. type of cell that produces antibodies  
30. acute phase protein that transports copper  
31. type of adaptive immunity involving B lymphocytes  
32. C1 of complement pathway is referred to as the __ unit

**Down**
1. process where cell leaves blood vessel into tissue  
2. acquired immunity  
4. small group of proteins that regulate cells involved in immune response  
5. study of immune system  
7. cytokine that interferes with viral replication in a cell  
9. purified antibodies cloned from single cell  
10. primary granulocytic phagocyte  
11. white blood cell involved in cellular immunity  
12. acute phase protein involved in clotting  
13. antibody involved in allergic reactions  
14. process by which cells that eat other cells  
15. antigen  
16. chemical composition of an antibody  
18. binding strength between antibody and antigen  
21. acronym for set of genes that play role in adaptive immunity  
22. antibody found in secretions  
24. immunity that is in place at birth  
27. antigenic marker or determinant found on antigens  
29. complement pathway that is also called the properdin pathway