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Immunology

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| **Across**  **2.** Predominant cell in Adaptive Immunity  **8.** Type of T cell which mediated tolerance of fetus in mother and inhibit lymphocytic function  **10.** Ending point of the complement system  **13.** Initial or first responder [EMT] in the immune system and the largest  **16.** Most abundant WBC which is motile and phagocytic  **19.** Part responsible for type of immunoglobulin, for example G, A, M, E or D  **20.** Plasma cell product which is made up of 2 light/heavy chains linked by disulfide bonds  **24.** Function of the C56789 complement fragment  **26.** Type of hypersensitivity reaction which is IgE-mediated and involves mast cell degranulation  **27.** Example of a skin test which is due to a Type IV hypersensitivity reaction  **28.** Makes up 1% of circulating WBCs and granules containing histamine  **30.** Type of immunity which relies on prior exposure to antigen  **33.** Most abundant in respiratory and gastrointestinal tracts, breast milk  **34.** Type of natural immunity produced after exposure to an infection  **35.** Type of WBCs which when attracted to sites by IL-8, becomes a macrophage  **37.** Predominant cell in innate immunity  **38.** Type of immunity transferred from mother to child via placenta and breast | **Down**  **1.** Function of C5b complement fragment  **3.** Immunoglobulin involved in allergies and parasitic infections  **4.** Type of cell which has IgE receptors and contains histamine  **5.** Type of hypersensitivity reaction which Immune complex deposition  **6.** Type of active immunity which following vaccinations  **7.** Name of antigen-presenting cells in the dermis  **9.** Example of a Type III hypersensitivity reaction in the kidney which may follow a streptococcal skin infection  **11.** Plasma cell product which is made up of 2 light/heavy chains linked by disulfide bonds  **12.** Second responder in the immune system, smallest, crosses placenta  **14.** Chemical which attracts white blood cells-C3a and Il-8  **15.** Clumping of cells caused by adding a soluble antibody to antigen  **17.** Type of hypersensitivity reaction which is cytotoxic in nature  **18.** Type of immunity which depends on chemical and mechanical barriers and microbial antagonism  **21.** Type of lymphocyte which mature in the bone marrow; develop into plasma and memory cells  **22.** Less common WBC which has blue staining granules  **23.** Type of cell which is the target of the Natural killer cells  **25.** Cell type which makes up 95% of the circulating lymphocytes  **29.** Type of immunological tissue which includes brain, eye, testis and fetus  **31.** Function of C3a and C5a fragments  **32.** Type of response mediated by immunoglobulins  **36.** Part of an immunoglobulin to which the antigen is bound |

   Neutrophil       Eosinophil       Basophil       Monocyte       Mast       Dendritic       B       T       Innate        Macrophage       Nine       Chemotaxin       Opsonization       Anaphylaxis       Cytotoxic       Adaptive       Lymphocyte       Privileged       Humoral       Cancer       Suppressor       Immunoglobulin       Fab       Immunoglobulin       Fc        IgG        IgA       IgM       IgE       Agglutination       Active        Passive       Artificial       One       Two       Three       Glomerulonephritis       Mantoux