Chapter 4

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| **Across**  **3.** Another term for B cells; responsible for producing antibodies  **4.** Antigen specific defenses mounted by activated T cells and B cells.  **6.** A substance or part of a substance that is recognized as foreign by the immune system.  **10.** Tiny, thin-walled vessels located in the spaces between cells which serve to drain and process extra-cellular fluid.  **12.** Proteins that are released by plasma cells that bind to a specific antigen  **13.** Occurs when tissues are injured by things such as bacteria, trauma, etc.  **14.** A group of blood-borne proteins. When activated, enhance inflammatory and immune responses.  **16.** Short-lived immunity resulting from the introduction of "borrowed antibodies" obtained from an immune animal or human donor  **17.** A number of small swellings in the lymphatic system where lymph is filtered and lymphocytes are formed.  **18.** A large phagocytic cell found in stationary form in the tissues or as a mobile white blood cell, especially at sites of infection.  **19.** A colorless fluid containing white blood cells  **20.** Regulatory T lymphocytes that suppress the immune response. | **Down**  **1.** Effector T cells that directly kill foreign cells, etc.  **2.** Ability of the body to resist agents that can cause disease; resistance to disease.  **5.** Immunity produced by an encounter with an antigen; Provides immunologic memory  **7.** T cell that orchestrates cellular immunity by contact with other immune cells and/or releasing chemicals.  **8.** Endocrine gland active in immune response.  **9.** A cell capable of engulfing and digesting particles or cells harmful to the body.  **11.** Agranular white blood cell that arises from bone marrow and becomes functionally mature in the lymphoid organs of the body.  **15.** Members of a B cell clone; specialized to produce and release antibodies. |