

Immunology Labs

Archive

Lab 1 "Lymphocytes"

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1.)The paracortical area of lymph node comprises mainly:

Select one:

- A.Follicular dendritic cells.
- B.Plasma cells.
- C.Neutrophils.
- D. B-cells.
- E. T-cells.

Answer: E. T-cells.

2.)Digeorge syndrome. Select one:

- A.Genetic defect in cytokines
- B.Is an immune deficiency disease
- C.Leads to tumor formation
- D.Leads to defect in thyroid gland
- E.Leads to defect in innate immunity

Answer: D.Leads to defect in thyroid gland.

3.)Germinal center is incubated with

Select one:

- A. Activated T cells
- B.Activated B cells
- C.Antibodies
- D.Naïve B cells
- E.Naïve T cells

Answer: B.Activated B cells.

4.)The mononuclear phagocyte system does not include:

Select one:

- A.Monocytes.
- B.Kupffer cells
- C.Kidney mesangial cells.
- D.Microglial cells in brain.
- E.Endothelial cells.

Answer: E.Endothelial cells.

5.)All of the following statements regarding red pulp of spleen are false, EXCEPT:

- A.It is the inner pulp of spleen.
- B.consists of peri-arteriolar lymphoid sheath.
- C.presence of afferent lymphatic vessels.
- D.it is the place where aged RBC is destroyed.

Answer: D.it is the place where aged RBC is destroyed.

6.)Regarding Basophils, which of the following is true. Select one:

- A.Stain with acid dyes.
- B.Contain a major basic protein.
- C.Help in phagocytosis.
- D.have IGE receptors.
- E.secret IGE.

Answer: D.have IGE receptors.

7.)The difference between macrophage and neutrophil: Select one:

- A.Only neutrophil is a phagocyte.
- B.Only neutrophil does intracellular killing by azurophil lysosomal granules.
- C.Only neutrophil expresses receptor for IGG.
- D.Only macrophage does the respiratory burst.
- E.Only neutrophil present in tissue.

Answer: B.Only neutrophil does intracellular killing by azurophil lysosomal granules.

8.)Which of the following is done by eosinophils: Select one:

- A.Intracellular killing by azurophil lysosomal granules and specific granules.
- B.Killing worms by expressing Fc receptors.
- C.stain blue with basic dye methylene blue.
- D.Killing worms by expressing Fc gamma receptors.
- E.Killing worms by a substance known as Major Basic Protein.

Answer: E.Killing worms by a substance known as Major Basic Protein.

9.)The germinal center is an important site of: Select one:

- A.Hematopoiesis.
- B.B-cell maturation.
- C.B-cell receptor editing.
- D.Myeloid cell differentiation.
- E.Stimulate mature B cells change into plasma cells.

Answer: E.Stimulate mature B cells change into plasma cells.

10.) B cells mature in the _____ while T cells mature in the _____. Select one:

- A. Thymus/bone marrow.
- B. Spleen/bone marrow.
- C. Bone marrow / Thymus.
- D. Liver/Kidneys.
- E. Bone marrow spleen.

Answer : C. Bone marrow / Thymus.

11.) Peyer's Patches are specialized lymphoid aggregates found in the _____. Select one:

- A. Brain.
- B. Lung.
- C. Spleen.
- D. Gut.
- E. Skin.

Answer: D. Gut.

12.) This immune cell is able to respond quickly after any second encounter with the same antigen. Select one:

- A. basophil.
- B. helper T cell.
- C. memory cell.
- D. antigen-presenting cell.
- E. plasma cell.

Answer: C. memory cell.