

Immunology

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Lecture 10

T-Cell Mediated Immune
Response

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Cytokines

10
Asffg

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1) The Major chemokines supporting neutrophils migration into tissues: Select one:

- a) IL-1
- b) IL-2
- c) IL-4
- d) IL-6
- e) IL-8

Answer: E

2) Which of the following interleukins cause Fever? Select one:

- a) IL-1
- b) IL-5
- c) IL-4
- d) IL-4 & TNF
- e) IL-2

Answer: A

3) IL-4 acts in B-cells & eosinophils, that means:

Select one:

- a) Pleiotropic
- b) Synergistic
- c) Multifunctional
- d) Antagonist
- e) Redundant

Answer: A

4) Global T-cell growth Factor

:Select one:

- a) IL-10
- b) IL-2
- c) IL-4
- d) Interferone-gamma
- e) Tumor necrosis Factor beta

Answer:B

5)Which Cell produce IL-12? Select one:

- a) Macrophage
- b) Eosinophil
- c) Neutrophils
- d) Master cell
- e) B-Cell

Answer:A

6)What is the cause of fever in bacterial infections:

Select one:

- a) Bacterial infect Hypothalamus
- b) IL-4
- c) IL-1 only
- d) IL-2
- e) IL-1 & TNF

Answer:E

7) Which of the following are secreted by macrophage after they have recognised pathogen using pattern recognition molecules :

Select one:

- a) IL-10
- b) IL-2
- c) IL-4
- d) Interferone-gamma
- e) Tumor necrosis Factor

Answer:E

8) Which promote Ige synthesis ? Select one:

- a) IL-4
- b) IL-10
- c) Interferone-gamma
- d) IL-2
- e) Tumor necrosis Factor beta

Answer:A

9) Activate immune action against worms :

Select one:

- a) Interferone-gamma
- b) IL-4
- c) IL-3
- d) IL-5
- e) IL-1 & TNF

Answer:D

10) Anti-fever Aspirin inhibits: Select one:

- a) IL-10
- b) IL-2
- c) IL-4
- d) Interferone-gamma
- e) Tumor necrosis Factor & IL-1

Answer: E

11) Cytokines produced by TH1 are _____ and cytokines produced by TH2 are _____? Select one:

- a) IFN-gamma and tumor necrosis factor, IL-4 and IL-5
- b) IL-4 and IL-5; IFN-gamma and tumor necrosis factor
- c) IFN-gamma and IL-4; Tumor necrosis factor and IL-5
- d) Tumor necrosis factor and IL-5; IFN-gamma and IL-4
- e) IFN-gamma and IL-5; Tumor necrosis factor and IL-4

Answer: A

12) Which combinations of cytokines most influence whether a CD4+ T cell becomes a TH1 or TH2?

Select one:

- a) Interferone-gamma & IL-8
- b) IL-4 & IL-5
- c) IL-4 & IL-12
- d) IL-5 & IL-2
- e) IL-17 & IFN-Beta

Answer: C

13) Regarding Cytokines, which of the following is true?

Select one

- a. Are large, high molecular weight proteins.
- b. Are produced only by lymphocytes and macrophages.
- c. can act on just one cell type
- d. Each have distinctive biological activities that do not overlap with those of other cytokines.
- e. Can act in an endocrine, paracrine, or autocrine fashion

Answer: E

14) During infection one of the primary functions of IL-10 is to do what? Select one:

- a. Increase IL-12 production.
- b. Attract B cells.
- c. inactivate CD8 cells.
- d. Inhibit protein synthesis in local cells.
- e. Attract neutrophils.

Answer: C

15) Which association is false:

- a. TH2 cell and IL-6.
- b. TH1 Cell and IL-10.
- c. TH1 cell and IFN gamma.
- d. DC and IL-12.
- e. TH2 and IL-4.

Answer: B

16) Corticosteroids blocks:

- a. IL-2
- b. IL-4
- c. IL-5
- d. IL-7
- e. TNF

Answer:E

17) Which of the following cytokines is recruiting neutrophils and macrophages to site of infection and induce inflammation:

- a. Interleukin-2.
- b. Interleukin-5.
- c. Interleukin-10.
- d. Interteukin-17.
- e. IL-7 .

Answer:D

18) IL-10 is produced by

- a. TH2.
- b. TH1.
- c. IL-5.

Answer:A

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19) B cell proliferation is caused by IL-4, 5, and 6. What type of cytokine reaction is this?

- a. Redundant.
- b. Pleiotropic.
- c. Synergy.
- d. Antagonist.

Answer:A

20) What is the stimulation of eosinophils :

- A. CD4-Th1
- B. CD4-Th2
- C. CD4-Th17
- D. CD8-Th1
- E. CD8-Th2

Answer:C

21) Chemotaxis of neutrophils and macrophages is function of?

- A. Th1
- B. TH17
- C. CD8 T-cells

Answer:B

22) CD3 recognize any cells?

- A. CD4 and CD8 T cell
- B. B cell
- C. CD4 t cell
- D. CD8 T cell
- E. CD8 and CD4 t cell

Answer:A

ثمَّ يُعَوِّضُكَ اللَّهُ و ما أدراك ما عَوَّضَ اللَّهُ.  لا تنسوننا من صالح دعائكم