

# Immunology

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Archive

Lecture 7+8

Medical card

Name \_\_\_\_\_

Date of b

Gender \_\_\_\_\_

Address \_\_\_\_\_

Date of call \_\_\_\_\_

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1)The CD4 protein of T helper cells binds and stabilize the MHC class II/ peptide structure. The subunit that interacts with CD4 cell surface protein is Select one:

- a) alpha 1 and beta 1 subunit
- b) alpha 2 and beta 2 subunit
- c) alpha 1 and alpha 2 subunit
- d) beta 2 subunit
- e) beta 1 subunit

Answer: A

2)Which of the following is NOT true when comparing innate and adaptive immunity? Select one:

- a) Innate responds early and adaptive responds later on
- b) Innate has few pathogens (non-self) recognition mechanisms and adaptive has many
- c) Innate has immunologic memory and adaptive does not
- d) Innate does not show response improvements over time and adaptive does
- e) Innate response is non-specific and adaptive is very specific

Answer: C

3)Regarding processed antigen entered the endoplasmic reticulum and bind MHC, all are true except Select one:

- a) the antigen is endogenous antigen
- b) the antigen is viral antigen
- c) it binds just MHC1
- d) can bind MHC2 and MHC1
- e) needs peptide transporter to enter endoplasmic reticulum

Answer: D

4)MHC2 contain all of the following EXCEPT:

- a) Alpha 1
- b) .Alpha2
- c) Alpha 3
- d) Beta1
- e) Beta2

Answer:c

5)MHC1 contain all of the following EXCEPT :

- a) Alpha 1 b) .Alpha2 c) Alpha 3 d) Beta1 e) Beta2

Answer: D

6) Viral proteins that are formed inside of an infected cell associate with cell and are presented at the surface of the effected Select one:

- a) Cytokines
- b) MHC class I 'molecules
- c) MHC class II molecules
- d) Antibody molecules
- e) complement

Answer: B

7) One principal function of the Class I and Class II major histocompatibility complex proteins is to Select one:

- A) transduce the signal to the T-cell interior following antigen binding
- b) mediate immunoglobulin class switching
- c) present antigen for recognition by the T-cell antigen receptor
- d) stimulate production of interleukins
- e) bind complement C3d,

Answer: C

8) Regarding to light chain correct answer is?

- A. Specific to each class of antibodies
- B. Non specific to each class of antibodies
- C. No gene recombination
- D. Constant part only
- E. Variable part only

Answer: B

9) What is the results of overactive of Th17 ?

- A. Autoimmune disease
- B. Fungi infection
- C. Over viral cell infected
- D. Allergy

Answer: A

10) What is the function of Th17 cells?

- A. Present antigen to T helper cells
- B. Recruit neutrophils and macrophages to the site of infection
- C. Produce antibodies

answer: B