

By The Name Of Allah

Hope batch

First

- 1) Which of the following is not true when comparing innate to adaptive immunity?
- innate has immunologic memory and adaptive does not
- 2) Which of the following involves the release of histamine?
Mast cells
- 3) Which of the following is used to enumerate and or separate live cells that express an antigen?
FACS
- 4) What is the nature of genetic expression of MHC genes?
Co-dominant
- 5) Which of the following is responsible about signal transduction in BCR:

Iga+Igβ
- 6) About ELISA which of the following is true:
Answer : Ag / serum / Ab-enzyme / substrate

- 7) Which of the following is the correct order for a lymphocyte to be activated?
Recognition of antigen, clustering of receptors, activation of tyrosine kinases, phosphorylation
- 8) cd4+ --- paracortex
- 9) in lamina propria ---- IgA
- 10) Anti-rabies ---- passive immunity.
- 11) Which of the following binds to an Fc receptor on mast cells and basophils?
IgE
- 12) Antigen - Antibody interaction---
all of the above
- 13) the most important molecule in TCR for signal transduction --- CD3
- 14) MHC2 ---- CD4
- 15) all of the following APC Except :
Eosinophil

- 16) Bacteria such as *Mycobacterium tuberculosis* have acquired the capacity to inhibit phagosome-lysosome fusion. What is the consequence of this?
Reduced likelihood that peptides will be expressed at the cell surface

- 17) organ responds to blood borne antigen :
Spleen

- 18) Adaptive --- one week

- 19) self from non self - tolerance

- 20) What types of cells are class II MHC found on?
mainly in B cells , macrophages and dendritic

- 21) example on cross reactivity -- allergy from penicillin influence on other antibiotic
"cephalosporin"

- 22) what is the first response to *E.coli* bacteria--
LPS carry it to macrophage

- 23) what is the false statement regarding IgG --
primary response
- 24) Ab class switching occurs in:
The constant region of the heavy chain
- 25) drug prevent T cell cytokine gene transcription
--- cyclosporine
- 26) IL-7 --- develop to T lymphocytes
- 27) Which of the following is responsible about
signal transduction in BCR?
Ig " alpha + beta"
- 28) Virally infected cell presents the viral antigen
on the surface of the cell on MHC class I
molecules. If a specific pharmaceutical agent were
to be developed that would affect the MHC class I
peptide presentation pathway, the drug would
mostly affect:
TAP complex

29) X-linked Ab deficiency, after simple blood test
what is the best answer recording to this case:

- Absence of IgA, IgM...**
- Repeated bacterial, viral, fungal infection
- Absence of circulating B-cells

30) not a character of hematopoietic stem cells:
can differentiate to neurons