



قائمة الاسئلة

التغذية وعلم المناعة - المستوى الثالث + الرابع - قسم تغذية علاجية - كلية الطب والعلوم الصحية - برامج العلوم الطبية التطبيقية - الفترة الثالثة - درجة

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- 1) Which of the following cells is involved in cell-mediated immunity?
 - 1) - Leukaemia
 - 2) T cells
 - 3) - Mast cells
 - 4) - Thrombocytes
- 2) Antibody present in body mucosa is:
 - 1) - IgG
 - 2) IgA
 - 3) - IgM
 - 4) - IgE
- 3) The Exogenous pathway of antigen presentation involves :
 - 1) - mostly peptides derived from intracellular pathogens.
 - 2) presentation of antigen on MHC class II molecules.
 - 3) - presentation of antigen to cytolytic T CD8 cells.
 - 4) - presentation of antigen to Th1 cells.
- 4) Immunoglobulin which can activate complement
 - 1) IgM
 - 2) - IgE
 - 3) - IgA
 - 4) - IgD
- 5) Antibodies in our body are produced by:
 - 1) B-lymphocytes
 - 2) - T-lymphocytes
 - 3) - Monocytes
 - 4) - RBC's
- 6) Dendritic cells are characterized by
 - 1) - The presence of TCR
 - 2) Expression of MHC II molecules
 - 3) - The presence of CD28
 - 4) - Their ability to release histamine
- 7) Apoptosis is triggered by
 - 1) - Nitric oxide
 - 2) - Superoxide dismutase
 - 3) Fas-fasL
 - 4) - perforin
- 8) Which of the following immunoglobulins is present normally in plasma at the highest concentration?
 - 1) - IgA
 - 2) IgG
 - 3) - IgE
 - 4) - IgM
- 9) An epitope is
 - 1) - a BCR.
 - 2) - a hapten.
 - 3) - an antibody.
 - 4) the antigen determinant site.





- 10) The cytokine which is most involved in the class switch to IgE production is
- 1) - IL-1
 - 2) - IL-2
 - 3) - IL-3
 - 4) + IL-4
- 11) Which of the following is NOT true about an antigen?
- 1) - Fairly large
 - 2) - Chemically complex
 - 3) - Foreign to the host
 - 4) + Requires a carrier-conjugate
- 12) Several cytokines may have the same functions on the cells they bind. This is an example of
- 1) - Synergy.
 - 2) + Redundancy
 - 3) - Antagonism.
 - 4) - pleiotropism
- 13) Class II MHC expressed antigen on:
- 1) - CD4 lymphocyte
 - 2) - NK
 - 3) - CD8 lymphocyte
 - 4) + Macrophage
- 14) The T-cell ligand binding B7 on a professional antigen-presenting cell is:
- 1) - LFA-1
 - 2) + CD28
 - 3) - CD2
 - 4) - ICAM-1
- 15) Release of IL-12 by an antigen presenting cell induces differentiation of a Th into a:
- 1) - Tc cell
 - 2) + Th1 cell
 - 3) - Th2 cell
 - 4) - memory cell
- 16) Which of the following statements about CD8+ is correct ?
- 1) - They lyse targets via ADCC
 - 2) - They cannot kill infected CD4+ T cells
 - 3) - They phagocyte target cell
 - 4) + They can kill intracellular pathogens
- 17) Which of the following is found on the surface of every B cell, T cell?
- 1) - MHC class II molecules
 - 2) + antigen-specific receptor
 - 3) - Immunoglobulin
 - 4) - MHC class I molecules
- 18) Which of the following is expressed on the surface of the mature B lymphocyte?
- 1) - CD40L
 - 2) - MHC class I molecules
 - 3) + IgM and IgD
 - 4) - all of the above
- 19) Which of the following immunity is obtained during a lifetime?
- 1) + Acquired immunity
 - 2) - Active immunity
 - 3) - Passive immunity





- 4) - None of the above.
- 20) How many types of antibodies are there?
- 1) Five.
- 2) - Three.
- 3) - Two.
- 4) - Four.
- 21) B cells are form and mature in red bone marrow, and bursa of fabricius, responsible for humoral immune response.
- 1) TRUE.
- 2) - FALSE.
- 22) Several cytokines may have the same functions on the cells they bind. This is an example of pleiotropism.
- 1) - TRUE.
- 2) FALSE.
- 23) CMI respond to intercellular pathogens and abnormal body cells.
- 1) TRUE.
- 2) - FALSE.
- 24) A substance when injected with an antigen enhance immunogenicity is called haptan.
- 1) - TRUE.
- 2) FALSE.
- 25) IgE is present in milk and saliva.
- 1) - TRUE.
- 2) FALSE.
- 26) The endogenous pathway of antigen presentation involves presentation of antigen to cytolytic T CD8 cells.
- 1) TRUE.
- 2) - FALSE.
- 27) Live attenuated vaccine is a serious risk to immunocompromised individuals.
- 1) TRUE.
- 2) - FALSE.
- 28) Superantigens are presented to T cells by binding to class II MHC molecules on APC and interact with TCR V β domains.
- 1) TRUE.
- 2) - FALSE.
- 29) IgG is the only antibody that can cross the placenta.
- 1) TRUE.
- 2) - FALSE.
- 30) The CD3 complex associated with the TCR receptor contains two zeta chains that function for transmitting intracellular signaling.
- 1) TRUE.
- 2) - FALSE.
- 31) IgM is the first antibody that is formed in an infection, and it is also the antibody that is present on the surface of mature B cells.
- 1) TRUE.
- 2) - FALSE.
- 32) Nucleic acids or organic molecules can induce an immune response and are therefore immunogens.
- 1) - TRUE.
- 2) FALSE.
- 33) Memory T cells are not immediately activate where subsequent contacts with antigen specific to its TCR
- 1) - TRUE.
- 2) FALSE.





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- 34) Immune surveillance is the recognition and destruction of newly formed potentially cancerous tumor cells.
- 1) TRUE.
 - 2) FALSE.
- 35) Cytotoxic T cells destroying target cells by release perforin molecules which insert into target cell membrane.
- 1) TRUE.
 - 2) FALSE.

