

IMMUNE SYSTEM FIRST EXAM - ELIXIR!

كتبت فكرة كم سؤال وبعضهم مو متأكدة منهم، اذا حدا بقدر يتذكر او يصحح منهم يكون مشكور.

1. MHC genes are expressed : codominantly
2. Epsilon+kappa : IgE light chain
3. To induce highest immune response in a mouse, we add: 1000 dalton protein from rabbit. (بمقارنة الخيارات)
4. Phagocytic molecules and enzymatic lytic vesicles= Phagolysosome
5. Intercellular infection for Alfa beta TCR
6. Somatic hypermutation occur on: im not sure of the choices, but they talked about constant or variable, heavy or light!
- 7.MHC class2 expressed on: B-cells+ dendritic cells +macrophages
8. Difference between active and passive immunity: passive immunity does not include memory.
9. Ig could be membrane bound or secreted forms . it is encoded by: alternative RNA processing
10. Not correct about Beta chain of TCR: it has v and J segments.
11. Bonds in Ab structure: all of the above (ionic, hydrogen, hydrophobic).
12. Epitope: area on antigen to be contacted with antibodies.
13. MHC class 1 has B-microglobulin and: choices: three globular domains, three Ig like domains....and others...
14. Kill viruses and tumor cells: NK cells
15. BCR signal transduction by : Ig alpha and Ig beta
16. TCR signal transduction by: CD3
17. True about hapten: can not bind antibodies by itself or cannot induce antibodies formation by itself.
18. ELISA procedure: antigen/patient's serum/ enzyme linked to antibody/substrate! (Something like that :3)

توكتير اسئلة ربط بين هاي المعلومات

*MHC class1 with CD8 T cytotoxic cell, intracellular, in cytosole, TAP

*MHC Class2 with CD4 T helper cell, extracellular, vesicles, invariant chain

*alot of Qs about Antibody's structure... Papain, pepsin, Fab, Fab2, Fc.. And so on!

GOOD LUCK!

Mud mouse (no thymus) with tumor , what is the exclusion from this :

T cells is import. مش ذاكرة....

.....

Child with no Ig in saliva which locus in DNA we should test to know the defect ??

J secretory peptide locus

.....

TT with papain gives :

Fab

.....

Ag-Ab interactions :

All of them (van deer waals .. hydrophobic ...)

....

Epsilon and kappa light chain will produce (مش بالضبط) :

IgE k.light

.....

Which one is for B but Not T :

Ig

.....

We have a virus infection which affect MHC I ... the drug we can use may target :

TAP.

.....

ELISA for HIV involves :

Hiv Antigen from the serum // labeled ab with enzym // substrate .

.....

Vaccine (على ما انكر) contain a,b,c .. Ab is produced against A ,

We can say that A is an :

Epitope

.....

Virally infected cell , which one is T about Tc

:

..cells that have mhc I only will be killed

... Infected cells that have mhc I (true)

..... cells with mhc I will not be killed.

.....

Ag-ab interaction ,which one is T :

.. not import. To have water molecules

.... it is optimized by spatial complementary .

.....we need covalently bond