

Auto antibody

Define :-

Immunogen :-

Any molecule that induce
immune response

e.g heptans

Heptans :-

Not immunogenic but
attach e- antibody
and functioning

Allograft

Transfer of organ b/w one individual
to another b/w non identical person
of same species

e.g :-

Kidney Transplant

Isograft::

b/w identical twins

Autograft::

Autologous
b/w same individual

→ Any surgery of tissue

Xenograft::

b/w different species

→ Baboon

Function of Antibody

Agglutination

Opsonization

Inflammation

Neutralization

Phagocytosis

Lysis of Microbes

Activation of Complement

Function of T-cells.

Helper::

Stimulate

Cytotoxic T cell

Suppressor T cell

Stimulate of B cell growth

Proliferation of B-cells

activate Macrophages

Cytotoxic

Destroy infection cell

Anticancer

Toxin cells

Activate IL-2, 4, 5, 6.

Anticancer

Inhibits the same individual

→ Anticancer of tumor

Anticancer

in different species

→ Anticancer

Function of Antibody

Agglutination

Opsonization

Neutralization

Inactivation

Immobilization

Adsorption of complement

Activation of complement

Function of T-cells

Helper:

Stimulate T-lymphocyte

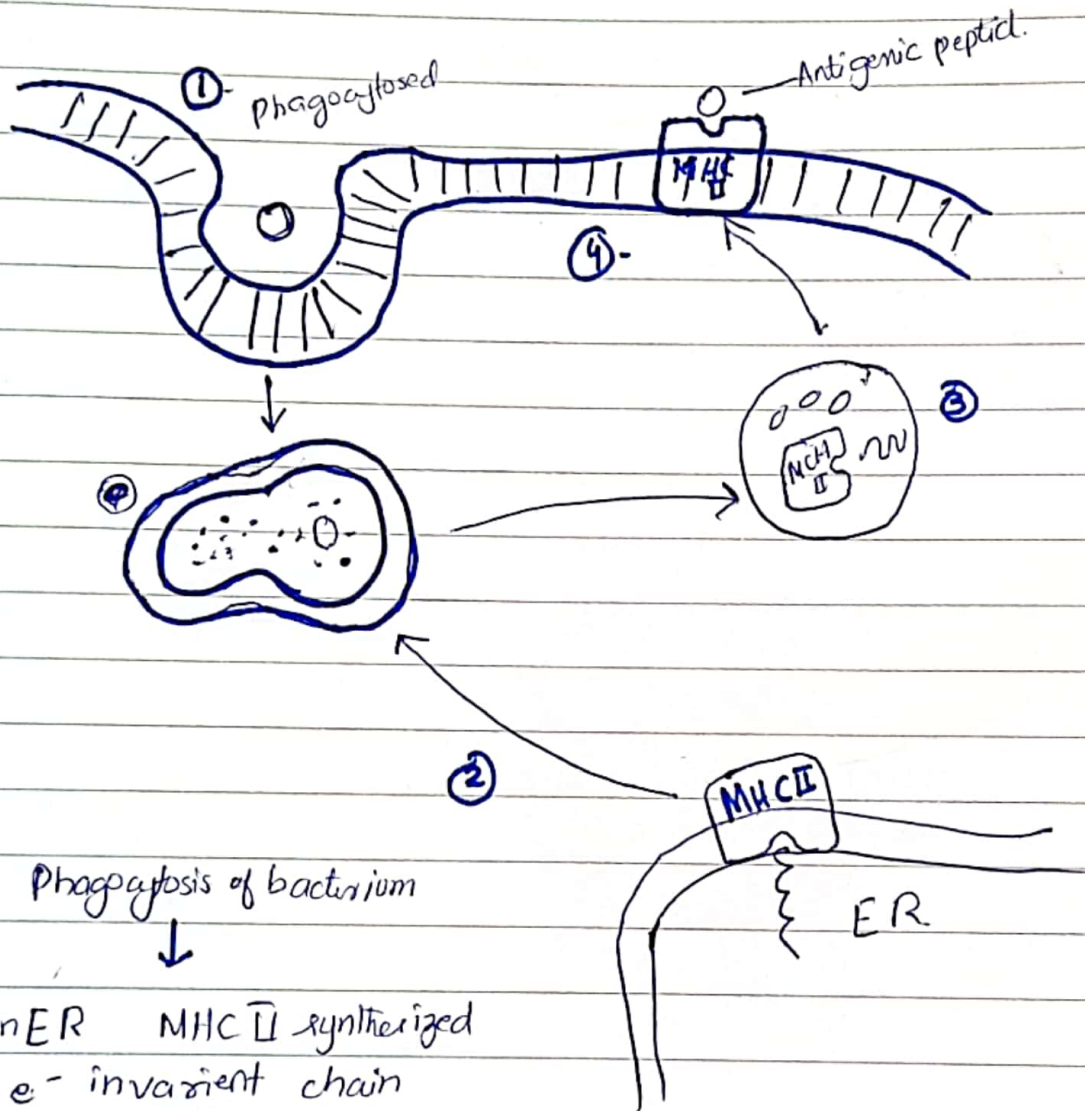
Suppressor

Stimulate of B cell growth

Inhibition of B-cells

Antibody production

Q:- Cascade of events for exogenous antigen presentation to T cells:-



① - Phagocytosis of bacterium



② In ER MHC II synthesized
e⁻ invariant chain still attached, attach e⁻
Phagolysosome



③ In Phagolysosome chain removed from MHC II for peptide loading

④ Loaded MHC protein migrate to P. Memb.

Date: _____

Autoantibody

Graves - TSHR

Myasthenia Gravis Cholin Receptor CR antibody

SLE anti nuclear antibody
anti DNA

ant Sm/RNP

Arthritis CCP

niceday