Therapeutic Vaccines and Immune-Based Therapies

In the immune response, which type of cell makes antibodies that target a specific pathogen?

a. T cell
b. Innate cell
c. B cell
d. Infected cell

_________ immunity’s responses persist as “memory” cells, while _________ immunity’s responses are non-specific.

a. Innate; Adaptive
b. Adaptive; Innate
c. Transient; Adaptive
d. Adaptive; Transient

Currently, therapeutic vaccines are mostly studied in people on ART.

a. True
b. False

Which of the following are false for therapeutic vaccines in cure research?

a. The goal for therapeutic vaccination is to eliminate latent HIV reservoir.
b. Therapeutic vaccines are being combined with latency-reversing agents.
c. Current therapeutic vaccine strategies deliver latent-reversing agents into the body, injected into muscle tissue.
d. All of the above are true.

The term bNAb stands for:

a. B-cell neutralizing antibody
b. Broadly neutralizing antibody
c. Broadly neutralizing antigen
d. B-cell neutralizing antigen
Which of the following are true about adeno-associated virus (AAV)?
   a. It is a method associated with an antibody gene transfer.
   b. It limits the supply of bNAb.
   c. It does not succeed in aiding hemophiliacs.
   d. It infuses T cells for an individual.

The goal of adoptive immunotherapy is to promote elimination of HIV-infected cells, similar to therapeutic vaccination.
   a. True
   b. False

Immune cell receptors known as immune checkpoints
   a. Deactivate latently infected CD4 T cells
   b. Activate HIV-specific T cell responses
   c. Inhibit other receptors
   d. Dampen immune responses

Antibodies that block immune checkpoints may enhance ______ and reverse ______.
   a. HIV latency; HIV-specific T cell responses
   b. Receptors; ligands
   c. Ligands; receptors
   d. HIV-specific T cell responses; HIV latency

Antibodies that block immune checkpoints have been licensed for the treatment of:
   a. Hepatitis
   b. Influenza
   c. Cancer
   d. Pneumonia
Answer Key
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