

Clonal Selection Theory



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Clonal selection theory is a scientific theory in immunology that explains the functions of cells (lymphocytes) of the immune system in response to specific antigens invading the body.

Clonal selection - Wikipedia

clonal selection theory. a onetime theory now accepted as an established part of immunological dogma. Each lymphocyte during its development is committed to respond to one antigenic determinant. Accordingly each lymphocyte has a single type of antigen-specific receptor on its surface.

Clonal selection theory | definition of clonal selection ...

Clonal selection theory is an important scientific theory in immunology that explains how the immune system generates specific antibodies against invading antigens, during an immune response. This theory is now considered a fact based on the abundant experimental proof provided by various scientists since its conception.

An Excellent Guide to Understanding the Clonal Selection ...

Problem 9: Clonal selection theory. Each B cell has a specific antibody as a cell surface receptor. The arrangement and generation of antibody genes occurs prior to any exposure to antigen. When a soluble antigen is present, it binds to the antibody on the surface of B cells that have the correct specificity.

Introduction to Immunology Tutorial - The Biology Project

clonal selection theory. n. The theory that the mutation of stem cells produces all possible templates for antibody production and that exposure to a specific antigen selectively stimulates the proliferation of the cell with the appropriate template to form a clone or colony of specific antibody-forming cells.

Clonal selection theory | Define Clonal selection theory ...

Step 1 - Clonal Selection and immune tolerance. -Positive selection - shows that T-cells can only interact with MHC - if interact, then the cells are saved - only for T-cells. -Negative selection - immune tolerance, put self antigen into MHC. -if the cell doesn't interact with self antigen, it is saved. -process is for B and T-cells.

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