Mindluster Platform

About the course Immunoglobulin structure

Course Presenter : Bio science

Immunoglobulin structure, in this course we will learn about the detailed structure of immunoglobulinsâ€”also known as antibodiesâ€”which are Y-shaped glycoproteins produced by B lymphocytes in response to antigens. Youâ€™ll explore the composition of heavy and light chains, the variable and constant regions, and the specific antigen-binding sites that define antibody specificity. Weâ€™ll also discuss how these structural elements contribute to the diverse immune responses. Through visual explanations and examples, youâ€™ll gain a clear understanding of how immunoglobulin structure enables their crucial role in neutralizing pathogens. Whether you're a student of biology, medicine, or biotechnology, this course offers a strong foundation in immunology. Letâ€™s begin learning how the body recognizes and defends against invaders at the molecular level. Bio science

Medical Category's Courses

Course Lesson(17)

Lesson 1 : **Hypersensitivity Type 1 and Type 2**

Lesson 2 : **Monoclonal antibodies Hybridoma technology**

Lesson 3 : **Hypersensitivity Type 3 and Type 4**

Lesson 4 : **Immunoglobulin structure and types NEET**

Lesson 5 : **MHC Major Histocompatibility Complex molecules MHC class 1 and MHC class 2**

Lesson 6 : **Humoral immunity and cell mediated immunity**

Lesson 7 : **Innate immunity and Aquired Or Adaptive immunity Immunology**

Lesson 8 : **Haptens and Adjuvants Bio science**

Lesson 9 : **Innate immunity and adaptive immunity First line of defence and second line of defence**

Lesson 10 :
T helper cells and Cytotoxic T cells Th cells and Tc cells CD4 cells and CD8 cells Bio science

Lesson 11 : **Epitopes Conformational epitopes and Linear epitopes Bio science**

Lesson 12 : **Cytokines Bio science**

Lesson 13 :
Gene therapy In Vivo Gene therapy Ex Vivo Gene therapy Types of Gene therapy Bio science

Lesson 14 : **Black fungus Mucormycosis Symptoms Black fungus vs Covid 19 Bio science**

Lesson 15 :
HAT medium for hybridoma selection and its functions in Hybridoma technology Bio science

Lesson 16 : **Memory cells Memory B cells Memory T cells Function Production Bio science**

Lesson 17 : **Natural killer cells Nk cells Function and properties Immunology Bio science**

Related courses

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