

ANTIBODY

Meaning: An antibody is a protein produced by the immune system that binds to specific antigens to help neutralize pathogens, such as bacteria and viruses, or to target diseased cells, such as cancer cells.

1. The antibody response is crucial for fighting off infections.
2. Researchers are developing new therapies that use monoclonal antibodies to target cancer cells.
3. Vaccines work by stimulating the body to produce antibodies against specific pathogens.
4. An increase in antibody levels can indicate an ongoing infection or immune response.
5. Some individuals may have a genetic predisposition that affects their antibody production.
6. Antibodies can be detected in blood tests to diagnose various diseases.
7. The study focused on how antibodies can neutralize viruses and prevent disease spread.
8. Certain antibodies can remember past infections, providing long-term immunity.
9. Therapeutic antibodies are revolutionizing the treatment of autoimmune diseases.
10. Understanding the structure of antibodies is key to advancing vaccine design.

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