THE IMMUNE SYSTEM. A GRACEFUL GUARDIAN OF DUR BODY. VALIANTLY DEFENDS AGAINST THE ONSLAUGHT OF





What happended when we get sick



what's happened next??





When we get sick or receive a vaccine, some cells called B cells help our body fight the infection by producing antibodies.

After the infection is gone, some B cells turn into memory B cells that remember the specific germ that made us sick. Some gene referencing

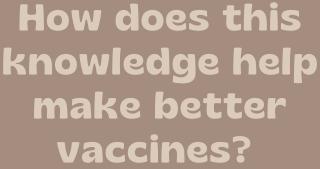


How do long-lived memory B cells help us stay healthy?

Memory B cells are like "immune" superheroes." If the same germ tries to attack us again, these memory B cells recognize it quickly. They produce more antibodies faster than before, helping our body fight off the germ much faster and keep us from getting sick again.



Why are memory B





Understanding long-lived memory B cells helps scientists design more effective vaccines. They can create vaccines that make our memory B cells super strong, so we have long-lasting protection. This way, we don't have to worry as much about getting sick from dangerous diseases because our immune system is already prepared to fight them off quickly and effectively.

WHY VACCINE IS IMPORTANT SPECIALLY NOWADAYS?

Protection against dangerous sickness

Global Health

Globalization = exchanged of virus and bacteries

Pandemic Control Global worming new health problems

Herd Immunity

Protecting Vulnerable Populations







