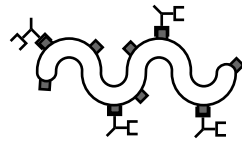


Antibodies

The role of Protein Antibodies
in an Immune Response



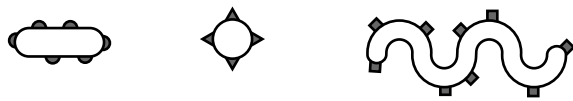
By Noel Ways




Introduction to Antibodies

When foreign cells, bacteria, viruses enter our body. Structures on the cell surface will be recognized by our immune system as foreign. The immune system will then attempt to eliminate it. The foreign structure is called an antigen.



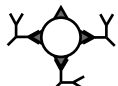
One very important means is by production special proteins called antibodies that will bind to the antigen in a "lock and key" manner. Such antibodies are highly specific.

Below are three different bacteria and each has a unique antigen

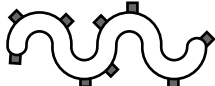

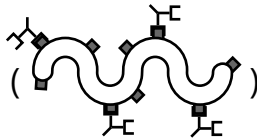


If this bacteria () enters the body, then this antibody () is produced and will it will bind the the antigen () This will mark the bacteria for destruction:



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