

Blood Typing

There are 4 main blood types:

A, B, AB, O
↓ ↓ ↓ ↓
~ 41%, 9%, 3%, 47% ⇒ % population in the U.S.

These blood types are different from each other because they have different PROTEINS.

ANTIGENS (Agglutinogens) - the proteins that identify cells.

* These are like the "NAME TAGS" of our cells. These are found on the CELL SURFACE.

- Blood Type B has ANTIGEN B.
- Blood Type A has ANTIGEN A.
- Blood Type AB has ANTIGENS A and B.
- Blood Type O has neither.

There is no "Antigen O" !!

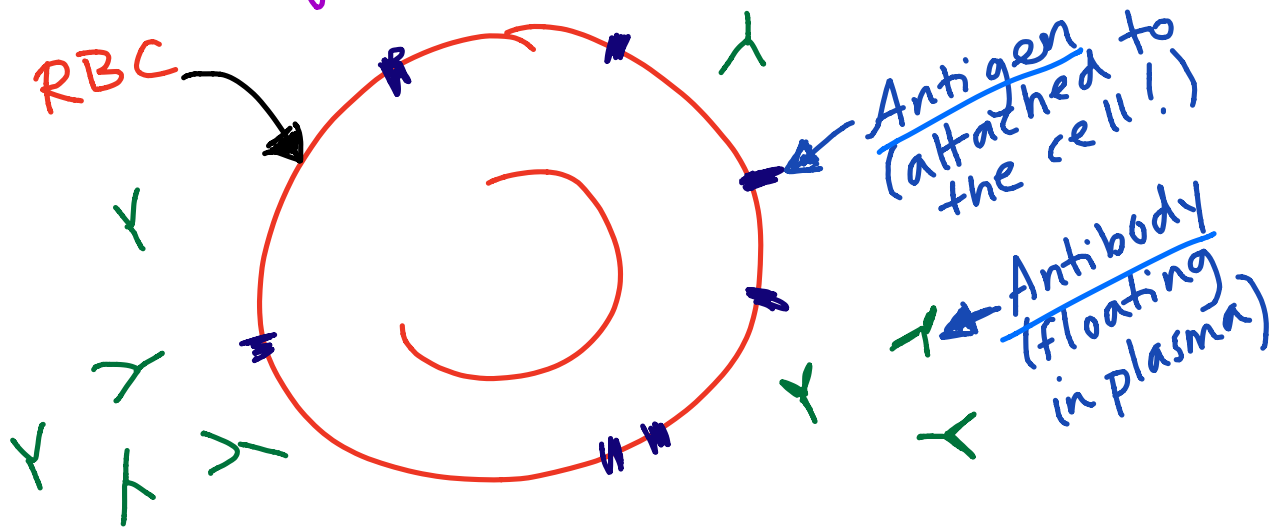
* Blood Type = Antigen Type

ANTIBODIES - destroy foreign antigens.
(a.k.a. Agglutinins or Immunoglobulins)

* Antibodies float in the plasma surrounding cells.

* Antibodies will destroy Antigens that they match!

Blood Type A has Antibody B.
Blood Type B has Antibody A.
Blood Type AB has neither antibody.
Blood Type O has both Antibody A and B.



Examples:

