

Lymphocytes are primarily activated during an immune response (cellular and humoral). There are three different types of lymphocytes: Natural Killer (NK) cells, B cells, and T cells. They are increased in chronic bacterial and viral infections, but decreased in sepsis.

Monocytes (4%-8%)

Monocyte-monkey with (4) Fork and (8) Ball

Monocytes are found in the bloodstream and are effective phagocytic cells. However, when a monocyte migrates into the tissue, they are known as macrophages.

Eosinophils (2%-4%)

Eosinophil-eagle with (2) Tutu and (4) Fork

Eosinophils have a phagocytic function, but are not as effective. These cells assist in engulfing antigen-antibody complexes during an allergic response. The exact mechanism is unknown, but they also help in defending against parasitic infections.

Basophils (0.5%-1.5%)

Bass-fish with (.5) Hand and (1) Wand (.5) Hand

Basophils have a similar function as mast cells. When activated they release histamine and serotonin, which helps stimulate an immune response.