

Keywords and Phrases for Defense Cells in the Blood.

An elevated WBC count (leukocytosis) is seen during infections.

Antibody-secreting plasma cells

B-lymphocytes (B-cells)

Basophils

Between 5,000-10,000 leukocytes per cubic millimeter (mm³) of blood

Cytotoxic T-lymphocytes (CTLs)

Days to years

Determines the percentage of each type of leukocyte

Determines the total number of both leukocytes and erythrocytes per ml of blood

Effector T4-lymphocytes

Eosinophils

Granules contain various agents for killing microbes

Granules contain various agents for killing primarily fungi, protozoa, and parasitic worms

Have compact nuclei; no visible cytoplasmic granules

Have irregular shaped nuclei with several lobes; their cytoplasm is filled with granules

Lymphocytes

Macrophages and dendritic cells when they leave the blood and enter the tissue

Monocytes

Neutrophils

NK cells (natural killer cells)

Release histamine, leukotrienes, and prostaglandins to promote inflammation

T4-lymphocytes

T8-lymphocytes