**Legend**

- **Platelet**: Circulating cell important in the clotting process.
- **Proerythroblast**: Immature cell that develops into a red blood cell, or erythrocyte.
- **Promonocyte**: Immature cell that develops into a monocyte.
- **T Cell**: Mature lymphoid cell responsible for control of the immune response. Includes T-suppressor, T-helper, and T-cytotoxic “killer” cells. Found in spleen, blood, and lymphatic system.
- **T lymphoblast**: Immature cell that develops into a T cell.

**FACTORS**

- **GM-CSF**: Granulocyte-Macrophage Colony-Stimulating Factor
- **IL-1**: Upregulates adhesion molecule expression and neutrophil and macrophage emigration; raises body temperature; facilitates hematopoiesis
- **IL-2**: Stimulates differentiation and proliferation of T2 helper T-cells; stimulates B-cell Ig class switch to IgG1 and IgE
- **IL-3**: Promotes proliferation of hematopoietic progenitor cells
- **IL-4**: Stimulates differentiation and proliferation of T helper cells; stimulates B-cell Ig class switch to IgE and IgG1
- **IL-5**: Stimulates B-cell growth and eosinophil differentiation and proliferation
- **IL-6**: Provides a broad range of cellular and physiological responses and plays a role in inflammation and hematopoiesis
- **IL-7**: Promotes differentiation of B- and T-cell progenitors and proliferation of NK and NK cell precursors
- **IL-8**: Inhibits macrophage proinflammatory cytokine production; downregulates cytokine class II antigen and B7-1 and B7-2 expression; inhibits differentiation of T1 helper cells; inhibits NK-cell function; stimulates mast cell proliferation and function and B-cell activation and differentiation
- **IL-10**: Key regulator of multiple events in hematopoiesis, most notably the stimulation of megakaryocyte-maturity
- **IL-12**: Secreted by activated macrophages. IL-12 induces T1 helper cell formation and lymphocyte-activated killer cell formation; increases CD1d+ CTL activity
- **IL-15**: Stimulates T-cell activation and proliferation; promotes cytogenesis and NK cells

**REFERENCES**