BACKGROUND

A thymocyte is a type of cell produced by the thymus that functions as a precursor cell to the T cells of the immune system. Proliferation of thymocytes and the development of thymic T cells is induced by interleukin-6. Thymocytes are useful for some types of immunosuppressive therapy. Bone marrow refers to the tissue located in the center of large bones. New hematopoietic and mesenchymal cells are produced in the bone marrow. Hematopoietic cells give rise to the three classes of blood cells that are found in the circulation: leukocytes, erythrocytes, and thrombocytes. Mesenchymal cells localize around the central sinus in the bone marrow, and they have the capability to differentiate into many types of cells including osteoblasts, chondrocytes and myocytes. Mesenchymal cells function as “gatekeeper” cells of the bone marrow.

REFERENCES


SOURCE

rat thymocytes, bone marrow (W3/15) is a mouse monoclonal antibody raised against thymocytes and bone marrow of rat origin.

STORAGE

Store at 4°C. **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.