

cytokines in Hematopoiesis & Development

INTRODUCTION

In the fetus, committed hematopoietic stem cells develop in the mesoderm and migrate to the fetal liver in the 6th week of pregnancy. Fetal liver stem cells then initiate erythropoiesis and seed the developing thymus (in week 7) and bone marrow (in week 20).¹⁻³ In the thymus, $\alpha\beta$ and $\gamma\delta$ T cells develop, and the potential also exists for various dendritic cells (DC) and natural killer (NK) cell types. In the bone marrow, B cells, granulocytes, monocytes and DC all potentially develop. This pattern persists well into adulthood.



Note: The Cytokines in Hematopoiesis and Development Poster conveys a general pattern of human blood cell development and should not be considered comprehensive nor definitive. The particulars involved are understood to be subject to interpretation. For complete list of references, please refer to <http://www.rndsystems.com/CD000hematopoiesis>