

[54] **MONOCLONAL ANTIBODY SPECIFIC TO NEUTROPHILS**

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[21] **Appl. No.:** 70,202

[22] **Filed:** Jul. 6, 1987

Related U.S. Application Data

[63] Continuation-in-part of Ser. No. 938,864, Dec. 8, 1986, abandoned.

[51] **Int. Cl.⁵** C12N 5/00; C07K 15/00; C07K 15/04

[52] **U.S. Cl.** 435/240.27; 435/172.2; 435/70.21; 530/387; 530/809; 935/104; 935/108; 935/110

[58] **Field of Search** 530/387, 388, 809; 435/68, 70, 172.2, 240.27, 948; 935/100, 102-104, 110; 436/548

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[57] **ABSTRACT**

A hybrid cell line capable of producing monoclonal antibodies uniquely specific to human neutrophils. The monoclonal antibody has no reactivity with other human peripheral blood cells and virtually no reactivity with granulocyte precursors or other cells in bone marrow. Further, there is no reactivity with human acute leukemia cells. One of the partners in the hybridoma fusion of a mouse spleen cell developed from using highly purified human granulocytes as the immunization agent. The monoclonal antibody further is characterized by its capability of being used to enumerate and isolate neutrophils in normal peripheral blood and patients with acute leukemia.

10 Claims, No Drawings