BACKGROUND
Leukocytes, or white blood cells, are cells that form an important component of the blood. They are produced in the bone marrow and function as part of the immune system to defend the body against infectious disease and foreign materials, and they are also produced in abundance in the lymphatic system, the spleen and other body tissues. Leukocytes can be subclassified into several different types of cells, such as erythroid cells, which give rise to erythrocytes, macrophage subset cells, which are large Leukocytes, endothelial cells, which express leukocyte-specific cell-adhesion molecules and granulocytes, which can be further classified as either neutrophils, eosinophils or basophils. Leukemia is a cancer of the blood or bone marrow that usually leads to an abnormal proliferation of leukocytes. Specific antigens expressed on sets and subsets of leukocytes may aid in the identification of these types of cells. HL60 represents a human leukemia cell line useful in many research applications.

REFERENCES

SOURCE
HL60 Antigen (IPO-M6) is a mouse monoclonal antibody raised against leukemia HL60 cell line of human origin.

PRODUCT
Each vial contains 200 µg IgG1 in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

HL60 Antigen (IPO-M6) is available conjugated to either phycoerythrin (sc-59203 PE) or fluorescein (sc-59203 FITC), 200 µg/ml, for IF, IHC(P) and FCM.

APPLICATIONS
HL60 Antigen (IPO-M6) is recommended for detection of HL60 of human origin by flow cytometry (1 µg per 1 x 10⁶ cells); non cross-reactive with B cell lines Daudi, PHS, NAMALWA, RPMI-1788 and T cell lines CCRF-HSB2, Jurkat and MOLT-4.

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

RESEARCH USE
For research use only, not for use in diagnostic procedures.

PROTOCOLS
See our web site at www.scbt.com for detailed protocols and support products.