



# Leukocyte Marker (50-4B1): sc-52695

## BACKGROUND

Leukocytes, or white blood cells, are cells which 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. Leukocytes are also produced in abundance in the lymphatic system, the spleen and various 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 involved in various functions, endothelial cells, which express leukocyte-specific cell-adhesion molecules, and granulocytes, which can be further classified as either neutrophils, eosinophils, or basophils. Specific antigens expressed on sets and subsets of Leukocytes may aid in the identification of these types of cells.

## REFERENCES

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## RESEARCH USE

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

## SOURCE

Leukocyte Marker (50-4B1) is a mouse monoclonal antibody raised against WAG/Rij spleen cells of rat origin.

## PRODUCT

Each vial contains 100 µg IgG<sub>1</sub> in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

## APPLICATIONS

Leukocyte Marker (50-4B1) is recommended for detection of all leukocytes (anti-LCA like) of mouse and rat origin by immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500).

## STORAGE

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

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.