**BACKGROUND**

IgG1 clone (5/9) is derived from mouse immunization with a cell suspension containing osteoclasts from osteoclastomas, and is a suitable human macrophage cell marker. The (5/9) antigen is present in osteoclasts and (5/9) may be useful for the identification of osteoclasts in tissues to study developmental pathobiology. Macrophages arise from hematopoietic stem cells in the bone marrow. Myeloid progenitors enter circulation, migrate to tissues and then differentiate into macrophages. Macrophages mediate phagocytosis of opsonized microorganisms mediated by Fc receptors and complement receptors, killing of ingested microorganisms, digestion and presentation of antigens to T and B lymphocytes, and secretion.

**REFERENCES**


**SOURCE**

Monocyte/Macrophage Marker (KUL01) is a mouse monoclonal antibody raised against peripheral blood mononuclear cell leukocytes of chicken origin.

**PRODUCT**

Each vial contains 100 µg IgG1 in 1.0 ml of PBS with <0.1% sodium azide and 0.1% gelatin.

Monocyte/Macrophage Marker (KUL01) is available conjugated either phycoerythrin (sc-52603 PE, 100 tests in 2 ml) or fluorescein (sc-52603 FITC, 100 tests in 2 ml), for IF, IHC(P) and FCM.

**APPLICATIONS**

Monocyte/Macrophage Marker (KUL01) is recommended for detection of monocytes and macrophages as well as interdigitating cells and activated microglia cells of avian origin by flow cytometry (1 µg per 1 x 10⁶ cells); non-cross-reactive with B (Bu1 positive) or T (CD3 positive) lymphocytes.

**SELECT PRODUCT CITATIONS**


**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.