

Myeloid Marker (BM-1): sc-59333

BACKGROUND

Myeloid cells originate in the bone marrow during hematopoiesis and encompass all hemopoietic cells except the lymphoid cells (T cells, B cells, NK cells and dendritic cells). Vascular endothelial cells can differentiate from common myeloid progenitors, and these cells that form the bone marrow-derived myeloid lineage express markers such as CD31, von Willebrand factor and Tie2. Other myeloid markers may be used to track certain diseases, such as Kawasaki disease, a self-limited vasculitis that affects many organs, including the skin and mucous membranes, lymph nodes, blood vessel walls and heart.

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SOURCE

Myeloid Marker (BM-1) is a mouse monoclonal antibody raised against peripheral blood mononuclear cells of human origin.

PRODUCT

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

Myeloid Marker (BM-1) is available conjugated to agarose (sc-59333 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-59333 HRP), 200 µg/ml, for WB, IHC(P) and ELISA; to either phycoerythrin (sc-59333 PE), fluorescein (sc-59333 FITC), Alexa Fluor® 488 (sc-59333 AF488), Alexa Fluor® 546 (sc-59333 AF546), Alexa Fluor® 594 (sc-59333 AF594) or Alexa Fluor® 647 (sc-59333 AF647), 200 µg/ml, for WB (RGB), IF, IHC(P) and FCM; and to either Alexa Fluor® 680 (sc-59333 AF680) or Alexa Fluor® 790 (sc-59333 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FCM.

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APPLICATIONS

Myeloid Marker (BM-1) is recommended for detection of myeloid specific DNA binding protein in myeloid precursor cells and leukemias derived from them of human origin by immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500).

Suitable for use as control antibody for Myeloid Marker siRNA (h): sc-72128, Myeloid Marker shRNA Plasmid (h): sc-72128-SH and Myeloid Marker shRNA (h) Lentiviral Particles: sc-72128-V.

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Immunofluorescence: use m-IgGκ BP-FITC: sc-516140 or m-IgGκ BP-PE: sc-516141 (dilution range: 1:50-1:200) with UltraCruz® Mounting Medium: sc-24941 or UltraCruz® Hard-set Mounting Medium: sc-359850. 2) Immunohistochemistry: use m-IgGκ BP-HRP: sc-516102 with DAB, 50X: sc-24982 and Immunohistomount: sc-45086, or Organo/Limonene Mount: sc-45087.

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.