MONOCLONAL ANTIBODY TO
MOUSE M-CSF RESPONSIVE CELLS
clone ER-MP58

Catalog nr  HM1089 (lot number and expiry date are indicated on the label)

Description  The monoclonal antibody ER-MP58 recognizes an antigen present on all mouse macrophage colony-stimulating factor (M-CSF) responsive cells in the bone marrow, including the earliest colony-forming myeloid progenitors, as well as by the majority of other myeloid precursors. The antigen is detected on a broad development range of macrophage precursor cells to the monocytic level, but also on granulocytes. Expression is rapidly lost upon maturation beyond the monocytic stage. The antigen disappears in the course of macrophage differentiation. Furthermore the antigen is clearly different from commonly used myeloid markers as Mac-1, F4/80, and Gr-1. The monoclonal antibody ER-MP58 is very useful for the identification of mouse myeloid hematopoietic islands in various organs, and for embryonic studies. Cells committed to the myeloid lineage can be separated from progenitor cells with other differentiation capacities by means of multiparameter cell sorting using monoclonal antibody ER-MP58 in combination with monoclonal antibody ER-MP12 (HM1084) and ER-MP-20 (HM1082).

Species  Rat IgG₂a

Formulation  1 ml (100 µg/ml) 0.2 µm filtered antibody solution in PBS, containing 0.1% bovine serum albumin and 0.02% sodium azide.

Application  The monoclonal antibody ER-MP58 can be used for immunohistology on frozen sections. Furthermore, the monoclonal antibody ER-MP58 is useful for flow cytometry.

Use  For immunohistology and flow cytometry, dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:50.

Storage and stability  Product should be stored at 4°C. Under recommended storage conditions, product is stable for one year.

Precautions  For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and Federal rules in the use of this product. Hycult Biotech is not responsible for any patent infringements that might result with the use or derivation of this product.


Also available  HM1089F  FITC conjugated monoclonal antibody against Mouse M-CSF clone ER-MP58
HM1006a  Monoclonal antibody against Mouse GM-CSF, clone MP1-22E9
HM1066  Monoclonal antibody against Mouse F4/80- Macrophages, clone BM8
HM1082  Monoclonal antibody against Mouse Ly-6C, clone ER-MP20
HM1084  Monoclonal antibody against Mouse PECAM-1 (CD31), ER-MP12

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