

10-3532: Monoclonal Antibody to mouse M-CSF(Discontinued)

| | |
|---------------------------|--|
| Clonality : | Monoclonal |
| Clone Name : | ER-MP58 |
| Application : | FACS |
| Reactivity : | Mouse |
| Gene : | Csf1 |
| Gene ID : | 12977 |
| Uniprot ID : | P07141 |
| Alternative Name : | Csfm, Macrophage colony-stimulating factor 1 |
| Isotype : | Rat IgG2a |

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 and ER-MP-20.

Product Info

| | |
|----------------------------|--|
| Amount : | CSF(Discontinued) / 500 µg |
| Content : | 0.5 mg, 0.2 µm filtered antibody solution in PBS, containing 0.1% bovine serum albumin and 0.02% sodium azide. |
| Storage condition : | Product should be stored at 4 °C. Under recommended storage conditions, product is stable for one year. |

Application Note

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.