

Product datasheet for **BM4020**

Myeloid Precursor cells Rat Monoclonal Antibody [Clone ID: ER-MP54]

Product data:

Product Type:	Primary Antibodies
Clone Name:	ER-MP54
Applications:	FC, IHC
Recommended Dilution:	Immunohistochemistry on frozen sections: 1 µg/ml (1/200). <i>Positive control:</i> Mouse spleen.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Mouse macrophage precursor cells.
Specificity:	This antibody reacts to Myeloid precursor cells.
Formulation:	Phosphate buffered saline pH 7.2 (PBS) containing 10mg/ml bovine serum albumin (BSA) as a stabilizer and 0.01% thimerosal as a preservative State: Purified State: Lyophilized purified IgG
Reconstitution Method:	Restore with 0.5ml distilled water.
Concentration:	0.2 mg/ml
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Note: **Antigen, epitope:**
Multiple antigens were precipitated by ER-MP54 under reducing and non-reducing conditions: Major bands could be detected at 90, 85-80 and 75-70 kDa, at lower amounts at 45kDa and less frequently at 27 and 12 kDa.

Antigen distribution:

Isolated cells:

The antigen is present on bone marrow myeloid cells up to monoblasts where the antigen is localized in the cytoplasm. Under specific experimental in vitro conditions, treatment by glucocorticoids, the antigen can also be detected on the cell surface.

Tissue sections:

The antigen can be detected in bone marrow plugs and some clusters of red pulp in spleen.