

Product datasheet for **BM4016T**

Macrophages (Haematopoiesis associated) Rat Monoclonal Antibody [Clone ID: ER-HR3]

Product data:

Product Type: Primary Antibodies

Clone Name: ER-HR3

Applications: FC, IHC

Recommended Dilution: **Immunohistochemistry on Frozen Sections.**
Immunohistochemistry on Paraffin Sections.
Flow Cytometry.

The typical starting working dilution for the applications is 1/50.

Reactivity: Mouse

Host: Rat

Isotype: IgG2c

Clonality: Monoclonal

Specificity: The monoclonal antibody ER-HR3 is reactive to the majority of Mouse monocytes and a subset of mature resident macrophages, especially those located in hemopoietic organs. Whereas all other leukocytes are ER-HR3 negative, up to 70% of circulating monocytes stain positive with this monoclonal antibody. Furthermore, about 30% of bone marrow cells express the antigen. Other ER-HR3 positive macrophages can be found in the splenic red pulp, in the mesenteric lymphoid paracortex, interfollicular areas of Peyer's patches and bone marrow. Few ER-HR3 positive cells are observed in the thymic cortex and the connective tissues of the gastro-intestinal tract, the dermis and the renal medulla. Epidermal Langerhans cells also express the antigen.

The monoclonal antibody ER-HR3 can be used to identify and localize a very distinct mature tissue macrophage subpopulation found in various mouse organs and its distribution pattern is unique compared to that from other macrophage-specific antibodies. The antibody is especially suitable for ontogenic studies because ER-HR3 positive macrophages are closely related to hemopoietic islands, especially at erythropoietic sites.

Formulation: PBS

State: Purified

State: Liquid 0.2 µm filtered Ig fraction

Stabilizer: 0.1% BSA

Preservative: 0.02% Sodium Azide



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Concentration:	lot specific
Purification:	Protein G Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Synonyms:	Macrophage marker