

Product Datasheet

Mouse Myeloperoxidase (MPO) Antibody (orb1972470)

Catalog Number	orb1972470
Category	Antibodies
Description	Mouse Myeloperoxidase (MPO) Antibody
Clonality	Monoclonal
Species/Host	Mouse
Isotype	IgG1
Conjugation	Unconjugated
Reactivity	Human
Form/Appearance	PBS pH 7.2, 1% rAlbumin, 0.05% NaN ₃
Purification	Purified by Chromatography
UniProt ID	P05164
Tested applications	FC

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Specificity

The MPO-C2 mAb (clone 8E2) reacts with human myeloperoxidase (MPO) expressed by normal and malignant myelomonocytic cells. The sensitivity of MPO-C2 mAb is determined by staining well-defined blood samples from representative donors with serial-fold mAb dilutions to obtain a titration curve that allows relating the mAb concentration to the percentage of stained cells and geometric MFI (mean fluorescence intensity). For this purpose, a mAb-concentration range is selected to include both the saturation point (i.e. the mAb dilution expected to bind all epitopes on the target cell) and the detection threshold (i.e. the mAb dilution expected to represent the least amount of mAb needed to detect an identical percentage of cells). In practice, 50 μ l of leukocytes containing 10^7 cells/ml are stained with 20 μ l mAb of various dilutions to obtain a titration curve and to identify the saturation point and detection threshold. The final concentration of the product is then adjusted to be at least 3-fold above the detection threshold. In addition and to control lot-to-lot variation, the given lot is compared and adjusted to fluorescence standards with defined intensity.

Antibody Type

Primary Antibody

Clone Number

8E6

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Note

For research use only

Expiration Date

12 months from date of receipt.

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