

## Product Datasheet

# Mouse Myeloperoxidase-C2 (MPO-C2), conjugated to FITC Antibody (orb1972472)

<b>Catalog Number</b>	orb1972472
<b>Category</b>	Antibodies
<b>Description</b>	Mouse Myeloperoxidase-C2 (MPO-C2), conjugated to FITC Antibody
<b>Clonality</b>	Monoclonal
<b>Species/Host</b>	Mouse
<b>Isotype</b>	IgG1
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human
<b>Form/Appearance</b>	PBS pH 7.2, 1% rAlbumin, 0.05% NaN <sub>3</sub>
<b>Purification</b>	Purified by Chromatography
<b>UniProt ID</b>	<b>P05164</b>
<b>Tested applications</b>	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  $\mu$ l of leukocytes containing  $10^7$  cells/ml are stained with 20  $\mu$ 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**

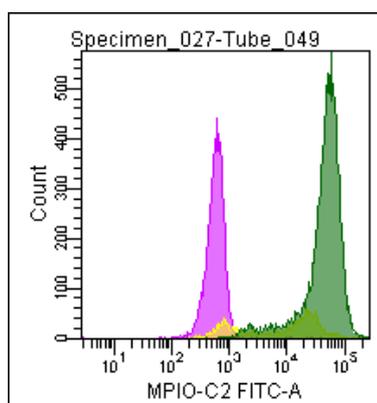
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Note**

For research use only

**Expiration Date**

12 months from date of receipt.



Flow cytometric analysis of a normal blood sample after immunostaining with orb1972472 (MPO-C2-FITC)

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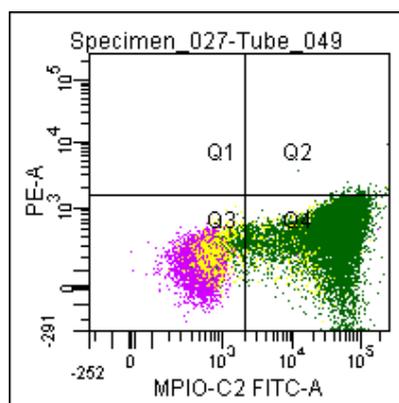
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