Product Datasheet

COMBI IC Reagent: Mouse Myeloperoxidase-C2 (FITC) and Mouse Lactoferrin (PE) Antibody (orb1972425)

Catalog Number	orb1972425
Category	Antibodies
Description	COMBI IC Reagent: Mouse Myeloperoxidase-C2 (FITC) and Mouse Lactoferrin (PE) Antibody
Clonality	Monoclonal
Species/Host	Mouse
Isotype	IgG1
Conjugation	FITC/PE
Reactivity	Human
Form/Appearance	PBS pH 7.2, 1% rAlbumin, 0.05% NaN3
Tested applications	FC

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Specificity	Antibody MPO-C2 (clone 8E6) reacts with human myeloperoxidase (MPO) expressed by normal and malignant myelomonocytic cells. The LF mAb (clone 4C5) recognizes lactoferrin stored within secondary granules of postmitotic granulocyte-commited cells. In this COMBI-IC Reagent antibody 8E6 is conjugated to FITC, antibody 4C5 is conjugated to Phycoeythrin (PE). The sensitivity of MPO-C2/LF 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 µl of leukocytes containing 10^7 cells/ml are stained with 20 µl 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 and 4C5
Storage	This monoclonal antibody reagents contain optimal concentrations of affinity-purified antibody. For stability reasons this monoclonal antibody solution contains sodium azide. These reagents should be stored at 2-8°C (DO NOT FREEZE!) and protected from prolonged exposure to light. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance or the concentration of the product. Stability of the reagent: Please refer to the expiry date printed onto the vial. The use of the reagent after the expiration date is not recommended.
Note	For research use only
Expiration Date	12 months from date of receipt.

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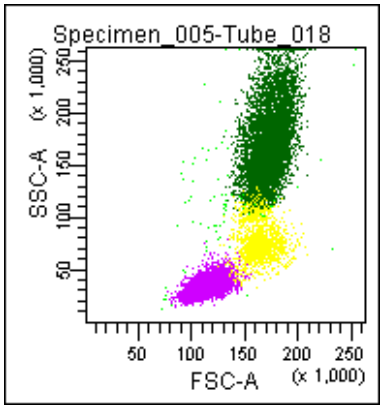
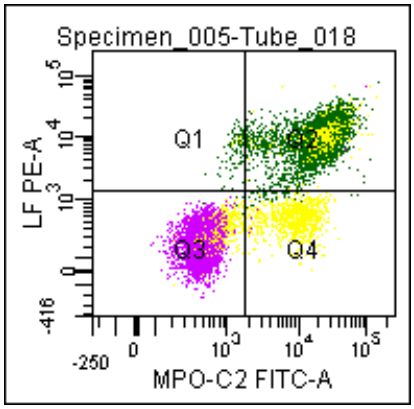
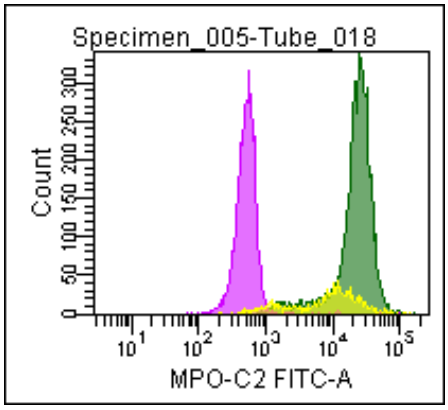


Scatter characteristics of normal blood leukocyte subpopulations after immunolabeling with orb1972425.



Flow cytometric analysis of normal blood leukocyte subpopulations after immunolabeling with orb1972425.



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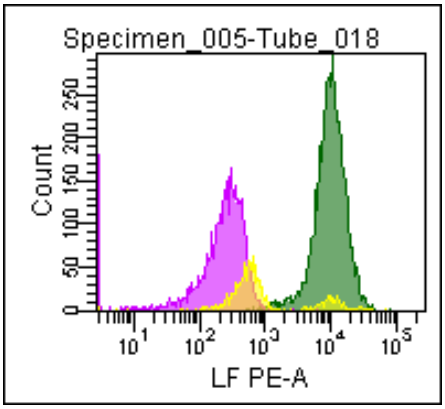

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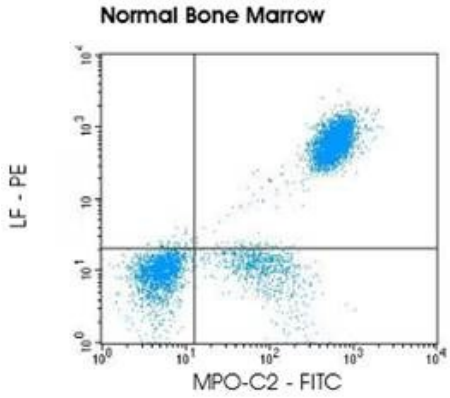
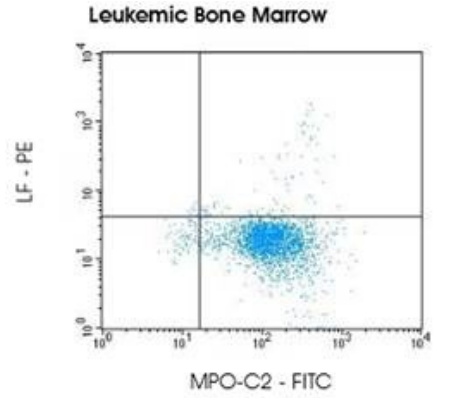


Flow cytometric analysis of leukocyte subpopulations in normal bone marrow after immunolabeling with orb1972425.



Flow cytometric analysis of leukocyte subpopulations in leukemic bone marrow after immunolabeling with orb1972425.

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