

Datasheet: TC016

Description:	ANTI MSE Ly-6C:Alexa Fluor® 488/CD115:RPE/CD31:RPE-Alexa Fluor® 647
Specificity:	Ly-6C/CD115/CD31
Format:	3 Color
Product Type:	Triple Color Reagent
Clone:	ERMP20 / 604B5 2E11 / ERMP12
Isotype:	Cocktail
Quantity:	100 TESTS

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			Neat

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Antibody Isotypes

Ly-6C A488 reagent: Rat IgG2a
 CD115 RPE reagent: Rat IgG1
 CD31 RPE-A647 reagent: Rat IgG2a

Target Species

Mouse

Product Form

Triple Color combination consisting of Alexa Fluor® 488, RPE and RPE-Alexa Fluor® 647 conjugated monoclonal antibodies mixed in optimal ratio - lyophilized

Reconstitution

Reconstitute with 1.0 ml distilled water

Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	FITC	490	525
	RPE 488nm laser	496	578
	RPE 561nm laser	546	578
	RPE-Alexa Fluor®647 488nm laser	496	667
	RPE-Alexa Fluor®647 561nm laser	546	667

Buffer Solution

Phosphate buffered saline

Preservative

0.09% Sodium Azide (NaN₃)

Stabilisers

1% Bovine Serum Albumin
 5% Sucrose

External Database**Links****UniProt:**

[P09568](#) [Related reagents](#)
[P09581](#) [Related reagents](#)
[Q08481](#) [Related reagents](#)

Entrez Gene:

[17067](#) Ly6c1 [Related reagents](#)
[12978](#) Csf1r [Related reagents](#)
[18613](#) Pecam1 [Related reagents](#)

Synonyms

Csfmr, Fms, Ly6c, Pecam, Pecam-1

Specificity

Anti Mouse Ly-6C:Alexa Fluor® 488/CD115:RPE/CD31:RPE-Alexa Fluor® 647 is a triple color reagent containing antibodies which recognize murine Ly-6C, CD115 and CD31 cell surface antigens.

Antibodies produced by clone ERMP20 recognize murine Ly-6C, a 14 kDa differentiation antigen, which is expressed on macrophage/dendritic cell precursors in mid-stage development (late CFU-M, monoblasts and immature monocytes), granulocytes, and on a wide range of endothelial cells and subpopulations of B- and T-lymphocytes.

Antibodies produced by clone 604B5 2E11 recognize the murine CD115 cell surface antigen, also known as the M-CSF receptor and as c-fms. CD115 is expressed by cells of the monocytic lineage and by progenitor cells.

Antibodies produced by clone ERMP12 recognize murine CD31, a 140 kDa cell surface glycoprotein that is expressed at high levels on endothelial cells, platelets, and most leukocyte subpopulations. CD31 is also expressed on a major population of macrophage / dendritic cell precursors in the bone marrow.

Flow Cytometry

Use 10ul of the suggested working dilution to label 10^6 cells in 100ul.

The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors. This may be reduced by using SeroBlock FcR ([BUF041A/B](#)).

Storage

Prior to reconstitution store at +4°C. Following reconstitution store at +4°C.

DO NOT FREEZE.

This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

12 months from date of reconstitution

Acknowledgements

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Health And Safety Information Material Safety Datasheet documentation #10075 available at:
10075: <https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf>

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