

Datasheet: TC019

Description:	ANTI RAT CD3:FITC/CD45RA:RPE/CD161:Alexa Fluor® 647
Specificity:	CD3/CD45RA/CD161
Format:	3 Color
Product Type:	Triple Color Reagent
Clone:	1F4 / OX-33 / 10/78
Isotype:	Cocktail
Quantity:	50 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	CD3 FITC reagent: Mouse IgM CD45RA RPE reagent: Mouse IgG1 CD161 A647 reagent: Mouse IgG1
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Target Species	Rat
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Product Form	Triple Color combination consisting of FITC, RPE and Alexa Fluor® 647 conjugated monoclonal antibodies mixed in optimal ratio - lyophilized
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Reconstitution	Reconstitute with 0.5 ml distilled water
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Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	Alexa Fluor®647	650	665
	FITC	490	525
	RPE 488nm laser	496	578
	RPE 561nm laser	546	578

Buffer Solution	Phosphate buffered saline
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Preservative	0.09% Sodium Azide (NaN ₃)
Stabilisers	1% Bovine Serum Albumin
	5% Sucrose

External Database Links

UniProt:

P27471	Related reagents
A4KWA1	Related reagents
P19377	Related reagents
Q64159	Related reagents
P04157	Related reagents

Entrez Gene:

362443	Klrb1a	Related reagents
25192	Klrb1b	Related reagents
24699	Ptpnc	Related reagents
25710	Cd3d	Related reagents
300678	Cd3g	Related reagents

Synonyms Nkrp1a, Nkrp1b, T3d

RRID AB_1055660

Specificity **Anti Rat CD3:FITC/CD45RA:RPE/CD161:Alexa Fluor® 647** is a triple color reagent which can be used for the phenotyping and enumeration of rat T lymphocytes, B lymphocytes and NK cells.

Antibodies produced by clone 1F4 recognize rat CD3, a ~25 kDa cell surface antigen which is expressed by mature rat T-cells.

Antibodies produced by clone OX-33 recognize rat CD45RA, a cell surface glycoprotein expressed by mature B-cells.

Antibodies produced by clone 10/78 recognize rat CD161 (NKR-PI), a ~60 kDa glycoprotein expressed on rat natural killer (NK) cells and T-cell subpopulations.

Flow Cytometry Use 10ul of the suggested working dilution to label 1x10⁶ cells in 100ul

Storage 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.

Guarantee 12 months from date of despatch

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Health And Safety Information Material Safety Datasheet documentation #20487 available at:
20487: <https://www.bio-rad-antibodies.com/uploads/MSDS/20487.pdf>

Regulatory For research purposes only

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M378659:210222'

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