

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

Target Species

Rat

Product Form

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

Reconstitution

Reconstitute with 0.5 ml distilled water

Max Ex/Em	Fluorophore	Emission Max (nm)	Excitation Max (nm)
	Alexa Fluor®647	665	650
	FITC	525	490
	RPE 488nm laser	578	496
	RPE 561nm laser	578	546

Buffer Solution

Phosphate buffered saline

Preservative

0.09% Sodium Azide (NaN₃)

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	Ptpcr	Related reagents
25710	Cd3d	Related reagents
300678	Cd3g	Related reagents

Synonyms

Nkrp1a, Nkrp1b, T3d

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 1×10^6 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.

Shelf Life

18 months from date of reconstitution

Acknowledgements

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**Health And Safety
Information**

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

Regulatory

For research purposes only

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