

Technical Data Sheet

Rat Activation Compensation Set

Product Information

Material Number:	558512
Size:	20 tests
Component:	51-9004354
Description:	APC Mouse anti-Rat CD3
Size:	20 tests (1 ea)
Vol. per Test:	20 µl
Clone Name:	1F4
Isotype:	Mouse (BALB/c) IgM, κ
Storage Buffer:	Aqueous buffered solution containing BSA and ≤0.09% sodium azide.
Component:	51-9004688
Description:	FITC Mouse anti-Rat RT1B
Size:	20 tests (1 ea)
Vol. per Test:	20 µl
Clone Name:	OX-6
Isotype:	Mouse (BALB/c) IgG1, κ
Storage Buffer:	Aqueous buffered solution containing BSA and ≤0.09% sodium azide.
Component:	51-9004687
Description:	PE Mouse anti-Rat CD25 (IL-2R α Chain)
Size:	20 tests (1 ea)
Vol. per Test:	20 µl
Clone Name:	OX-39
Isotype:	Mouse (BALB/c) IgG1, κ
Storage Buffer:	Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description

Description	Clone
APC Mouse anti-Rat CD3	Clone 1F4
FITC Mouse anti-Rat RT1B	Clone OX-6
PE Mouse anti-Rat CD25	Clone OX-39

The Rat Activation Compensation Set includes each specificity contained in the Rat Activated T Lymphocyte Cocktail (Cat. no. 558494) bottled separately, each in a 20 test size. Compensation is the process by which the effect of spectral overlap among fluoro-chromes can be corrected minimizing fluorescence signal spillover in neighboring channels. Compensation values are entered into software programs allowing for the adjustment among the overlapping fluoro-chrome emissions. These values can be achieved using single color controls, and verified using fluorescence-minus-one controls, or ad-mixtures of single color controls. Use this set to properly adjust your FITC/PE/APC compensation matrix for the Rat Activated T Lymphocyte Cocktail.

Preparation and Storage

Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

The antibody was conjugated to APC under optimum conditions, and unconjugated antibody and free APC were removed.

The antibody was conjugated with R-PE under optimum conditions, and unconjugated antibody and free PE were removed.

The antibody was conjugated with FITC under optimum conditions, and unreacted FITC was removed.

Application Notes

Application

Flow cytometry	Routinely Tested
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Suggested Companion Products

BD Biosciences

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<u>Catalog Number</u>	<u>Name</u>	<u>Size</u>	<u>Clone</u>
558494	Rat Activated T Lymphocyte Cocktail	50 tests	(none)

Product Notices

1. Please refer to www.bdbiosciences.com/pharming/en/protocols for technical protocols.
2. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.

References

Shapiro, HM. *Practical Flow Cytometry*. New York: Wiley-Liss, Inc; 1995:18-19.(Biology)