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 flurochromes can be corrected minimizing fluorescence signal spillover in neighboring channels. Compensation values are entered into software programs allowing for the adjustment among the overlapping flurochrome 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 |

## Suggested Companion Products

**BD Biosciences**

bdbiosciences.com

| United States | Canada | Europe | Japan | Asia Pacific | Latin America/Caribbean |
|---|---|---|---|---|---|
| 877.232.8995 | 888.259.0187 | 32.53.720.550 | 0120.8555.90 | 65.6861.0633 | 55.11.5185.9995 |

For country-specific contact information, visit **bdbiosciences.com/how_to_order/**

| Catalog Number | Name | Size | Clone |
|---|---|---|---|
| 558494 | Rat Activated T Lymphocyte Cocktail | 50 tests | (none) |

## Product Notices

1. Please refer to www.bdbiosciences.com/pharmingen/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)