# Anti-mouse CD28 Antibody for Flow Cytometry (Clone: 37.51, Mouse IgG1 Kappa) | PA007491.m1

**Catalog No.:** PA007491.m1 | **Isotype:** Mouse IgG1 Kappa | **Flow Cytometry / In Vivo Grade**

Recombinant mouse anti-mouse CD28 monoclonal antibody (Clone 37.51), engineered with a Mouse IgG1 Kappa constant region for flow cytometry, immunohistochemistry, and T cell costimulation studies. Variable regions are derived from the classic hamster/mouse anti-mouse CD28 clone 37.51 and recombinantly expressed in mammalian cells. Recombinant mouse IgG1 and human IgG1 isotype controls are available.

## Product Specifications

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| **Catalog No.** | PA007491.m1 |
| **Product Name** | Recombinant Anti-mouse CD28 Monoclonal Antibody (Clone: 37.51), Mouse IgG1 Kappa |
| **Synonyms** | T-cell-specific surface glycoprotein CD28; TP44 |
| **Clone & Isotype** | 37.51 \| Mouse IgG1 Kappa |
| **Applications** | Flow cytometry (FC), and Immunohistochemistry - Frozen (IHC-F). |
| **Reactivity & Specificity** | Mouse CD28. The recombinant 37.51 antibody for Flow Cytometry specifically binds to mouse CD28. |
| **Source / Host** | The anti-mouse CD28 monoclonal antibody (clone: 37.51) for Flow Cytometry was produced in mammalian cells. |
| **Formulation & Conjugate** | 0.2 uM filtered solution, pH 7.4, containing 0.09% sodium azide. Non-conjugated. |
| **Purity** | **>95%** by SDS-PAGE under reducing conditions. |
| **Shipping** | The Recombinant Anti-mouse CD28 Monoclonal Antibody (Clone: 37.51) for Flow Cytometry, Mouse IgG1 Kappa is shipped with ice pack. Upon receipt, store it immediately at the temperature recommended below. |
| **Stability & Storage** | Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, 2 to 8°C as supplied. Do not freeze it. |

## Biological Description & Background

Recombinant Mouse IgG1 Monoclonal Antibody [cite: 63].

The anti-mouse CD28 monoclonal antibody clone 37.51 reacts with mouse CD28, a 44 kD homodimeric glycoprotein expressed on T cells (including thymocytes and most mature T cells). CD28 is the primary costimulatory molecule required for T cell activation, proliferation, and survival upon interacting with CD80 (B7-1) and CD86 (B7-2) on antigen-presenting cells.

Our recombinant 37.51 antibodies feature the variable regions of the classic 37.51 clone expressed on a mouse IgG1 Kappa backbone, providing exceptional batch-to-batch consistency and high specificity for flow cytometry, immunohistochemistry, and T cell costimulation studies.

## Ordering & Technical Support

For custom volume ordering or inquiries, please visit the product webpage or contact our support team:

- **Product Webpage:** https://www.ushelf.com/anti-mouse-cd28-monoclonal-antibody-pa007491-m1/
- **Order Phone:** 1-617-401-8149 | **Fax:** 1-617-606-5022
- **Support Email:** message@sydlabs.com