Anti-mouse CD28 Antibody for Flow Cytometry (Clone: PV-1, Mouse IgG2a Kappa) | PA007490.m2a

Catalog No.: PA007490.m2a | **Isotype:** Mouse IgG2a Kappa | **In Vivo Grade**

Recombinant mouse anti-mouse CD28 monoclonal antibody (Clone PV-1), engineered with a Mouse IgG2a Kappa constant region for flow cytometry, immunohistochemistry, and T cell costimulation studies. Variable regions are derived from the classic anti-mouse CD28 clone PV-1 and recombinantly expressed in mammalian cells. Recombinant Mouse IgG2a and Human IgG1 isotype controls are available. For human T cell research, Syd Labs OKT3 antibodies are also available.

Product Specifications

Catalog No.	PA007490.m2a
Product Name	Recombinant Anti-mouse CD28 Monoclonal Antibody (Clone: PV-1), Mouse IgG2a Kappa
Synonyms	T-cell-specific surface glycoprotein CD28; TP44
Clone & Isotype	PV-1 | Mouse IgG2a Kappa
Applications	Flow cytometry (FC), and Immunohistochemistry - Frozen (IHC-F).
Reactivity & Specificity	Mouse CD28. The recombinant PV-1 antibody for Flow Cytometry specifically binds to mouse CD28.
Source / Host	The anti-mouse CD28 antibody (clone: PV-1) 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 PV-1 antibody for Flow Cytometry 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

PA007490.m2a: Recombinant Anti-mouse CD28 Monoclonal Antibody (Clone: PV-1) for Flow Cytometry, Mouse IgG2a Kappa, In vivo Grade.

Recombinant Mouse IgG2a Monoclonal Antibody for Flow Cytometry.

The anti-mouse CD28 monoclonal antibody clone PV-1 reacts with mouse CD28, a 44 kD homodimeric glycoprotein expressed on T cells (including thymocytes and mature T cell subsets). CD28 is an essential costimulatory receptor that interacts with CD80 (B7-1) and CD86 (B7-2) on antigen-presenting cells to promote T cell proliferation, cytokine production, and survival.

Our recombinant PV-1 antibodies feature the variable regions of clone PV-1 expressed on a mouse IgG2a Kappa backbone, providing high batch-to-batch consistency and exceptional specificity for flow cytometry, immunohistochemistry, and T cell activation studies. For human T cell research, Syd Labs OKT3 antibodies are also available.

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-antibody-for-flow-cytometry-pa007490-m2a/
- **Order Phone:** 1-617-401-8149 | **Fax:** 1-617-606-5022
- **Support Email:** message@sydlabs.com