PA007481.m1: Recombinant Anti-human CD28 Monoclonal Antibody (Clone: CD28.2) for Flow Cytometry, Mouse IgG1 Kappa, In vivo Grade

Catalog No.: PA007481.m1 | **Product Name:** Recombinant Anti-human CD28 Monoclonal Antibody (Clone: CD28.2), Mouse IgG1 Kappa

Recombinant Mouse IgG1 isotype controls are available. Condition of sample preparation and optimal sample dilution should be determined experimentally by the investigator.

PRODUCT SPECIFICATIONS

Catalog No.	PA007481.m1
Product Name	Recombinant Anti-human CD28 Monoclonal Antibody (Clone: CD28.2), Mouse IgG1 Kappa
Supplier Name	Syd Labs, Inc.
Brand Name	Syd Labs
Synonyms	T-cell-specific surface glycoprotein CD28; TP44
Clone	CD28.2.
Isotype	Mouse IgG1 Kappa.
Source/Host	The anti-human CD28 monoclonal antibody (clone: CD28.2) for Flow Cytometry was produced in mammalian cells.
Specificity/Sensitivity	The recombinant CD28.2 antibody for Flow Cytometry specifically binds to human CD28.
Applications	Flow cytometry (FC), and Immunohistochemistry - Frozen (IHC-F).
Form Of Antibody	0.2 uM filtered solution, pH 7.4, containing 0.09% sodium azide.
Conjugate	Non-conjugated.
Purity	>95% by SDS-PAGE under reducing conditions.
Shipping & Storage	The Recombinant Anti-human CD28 Monoclonal Antibody (Clone: CD28.2) 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.

REFERENCES & BACKGROUND

The CD28.2 antibody binds to human CD28 (TP44), a homodimeric cell surface glycoprotein expressed on T cells and thymocytes. CD28 functions as an essential co-stimulatory receptor interacting with B7-1 (CD80) and B7-2 (CD86) ligands to enhance T cell activation, proliferation, and cytokine production. It is widely utilized in flow cytometry gating and in vitro T cell stimulation studies.