PA007481.h1Fs: Recombinant Anti-human CD28 Monoclonal Antibody (Clone: CD28.2) for Flow Cytometry, Human IgG1 Fc Silent Kappa, In vivo Grade

Catalog No.: PA007481.h1Fs | **Product Name:** Recombinant Anti-human CD28 Monoclonal Antibody (Clone: CD28.2), Human IgG1 Fc Silent Kappa

Recombinant Human 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.h1Fs
Product Name	Recombinant Anti-human CD28 Monoclonal Antibody (Clone: CD28.2), Human IgG1 Fc Silent Kappa
Supplier Name	Syd Labs, Inc.
Brand Name	Syd Labs
Synonyms	T-cell-specific surface glycoprotein CD28; TP44
Clone	CD28.2.
Isotype	Human IgG1 Fc Silent 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, Human IgG1 Fc Silent 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.

Engineered with a Human IgG1 Fc-silent domain, this variant eliminates non-specific Fc receptor interaction during flow cytometric gating, cell separation, and functional T cell studies.