PA007468.h1Fs: Recombinant Anti-human CD28 Monoclonal Antibody (Clone: 9.3) for Flow Cytometry, Human IgG1 Fc Silent Kappa, In vivo Grade

Catalog No.: PA007468.h1Fs | **Product Name:** Recombinant Anti-human CD28 Monoclonal Antibody (Clone: 9.3), 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

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Product Name	Recombinant Anti-human CD28 Monoclonal Antibody (Clone: 9.3), Human IgG1 Fc Silent Kappa
Supplier Name	Syd Labs, Inc.
Brand Name	Syd Labs
Synonyms	T-cell-specific surface glycoprotein CD28; TP44
Clone	9.3.
Isotype	Human IgG1 Fc Silent Kappa
Source/Host	The anti-human CD28 monoclonal antibody (clone: 9.3) for Flow Cytometry was produced in mammalian cells.
Specificity/Sensitivity	The recombinant 9.3 antibody for Flow Cytometry specifically binds to mouse 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: 9.3) 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 9.3 monoclonal antibody specifically targets human CD28 (TP44), a crucial co-stimulatory surface receptor expressed on T cells. Binding of 9.3 facilitates essential co-stimulatory signals for T cell activation, proliferation, and cytokine production in functional cellular assays, immunophenotyping, and flow cytometry applications.

Engineered with a Human IgG1 Fc-silent domain, this variant prevents non-specific binding to Fc gamma receptors (FcγRs) during immunophenotyping and flow cytometric analyses.