PA007348.h1Fs-b: Biotinylated Recombinant Anti-human CD56 Monoclonal Antibody (Clone: N901), Human IgG1 Fc Silent Kappa

Catalog No.: PA007348.h1Fs-b | **Product Name:** Biotinylated Recombinant Anti-human CD56 Monoclonal Antibody, Human IgG1 Fc Silent Kappa (Clone: N901)

Biotinylated recombinant anti-human CD56 monoclonal antibody (Clone N901), engineered with a Human IgG1 Fc-silent domain to minimize non-specific background binding to Fc receptors during cell analysis. Features site-directed biotinylation via a C-terminal Avi tag on the heavy chain, providing high specificity for flow cytometric identification and functional characterization of human natural killer (NK) cells and NKT cell subsets.

PRODUCT SPECIFICATIONS

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Product Name	Biotinylated Recombinant Anti-human CD56 Monoclonal Antibody (Clone: N901), Human IgG1 Fc Silent Kappa
Supplier Name	Syd Labs, Inc.
Brand Name	Syd Labs
Clone	N901
Isotype	Human IgG1 Fc Silent Kappa.
Source/Host	The site-directed biotinylated recombinant anti-human CD56 monoclonal antibody (clone: N901) was produced in mammalian cells.
Specificity/Sensitivity	The site-directed biotinylated recombinant N901 antibody specifically binds to the human CD56 protein.
Applications	Flow cytometry (FC) with various dye conjugation through streptavidin; conjugation to streptavidin agarose beads or streptavidin magnetic beads.
Form Of Antibody	0.2 uM filtered solution, pH 7.4, no stabilizers or preservatives.
Conjugate	Biotin-conjugated.
Purity	>95% by SDS-PAGE under reducing conditions and HPLC.
Shipping & Storage	Shipped with ice pack. Store at -20 to -70°C (12 months) or 2 to 8°C (1 month). Avoid repeated freeze-thaw cycles.

BACKGROUND & APPLICATION INFORMATION

Recombinant human IgG1 Monoclonal Antibody site-directed biotinylation through the Avi tag at the C-terminus of the antibody heavy chain.

The recombinant N901 antibody binds to the human CD56 protein, a homophilic binding glycoprotein expressed on the surface of neurons, glia and skeletal muscle. CD56 is a marker of neural lineage commitment. CD56 expression is found in the hematopoietic system, natural killer cells, and other lymphoid cells, including gamma delta (γδ) T cells and activated CD8+ T cells, as well as on dendritic cells. CD56 has a role in cell-cell adhesion, neurite outgrowth, synaptic plasticity, and learning and memory.