PA007752.h1Fs-b: Biotinylated Recombinant Anti-human CD32 Monoclonal Antibody (Clone: IV.3), Human IgG1 Fc Silent Kappa

Catalog No.: PA007752.h1Fs-b | **Product Name:** Biotinylated Recombinant Anti-human CD32 Monoclonal Antibody, Human IgG1 Fc Silent Kappa (Clone: IV.3)

Biotinylated recombinant anti-human CD32 / FcγRII monoclonal antibody (Clone IV.3), 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, with variable regions derived from anti-human CD32 clone (IV.3) and expressed in mammalian cells.

PRODUCT SPECIFICATIONS

Catalog No.	PA007752.h1Fs-b
Product Name	Biotinylated Recombinant Anti-human CD32 Monoclonal Antibody (Clone: IV.3), Human IgG1 Fc Silent Kappa
Supplier Name	Syd Labs, Inc.
Brand Name	Syd Labs
Clone	IV.3.
Isotype	Human IgG1 Fc Silent Kappa.
Source/Host	The site-directed biotinylated anti-human CD32 monoclonal antibody (clone: IV.3) was produced in mammalian cells.
Specificity/Sensitivity	The site-directed biotinylated recombinant IV.3 antibody specifically binds to human CD32.
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.
Shipping & Storage	The IV.3 antibody 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, -20 to -70°C as supplied. 1 month from date of receipt, 2 to 8°C as supplied.

BACKGROUND & APPLICATION INFORMATION

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

The recombinant IV.3 antibody binds to human CD32 (FcγRII or FCGR2), a cluster of differentiation molecule found on the surface of a variety of immune cells. CD32 is a surface receptor glycoprotein belonging to the Ig gene superfamily, has a low-affinity for the Fc region of IgG antibodies in monomeric form, but high affinity for IgG immune complexes. CD32 has two major functions: cellular response regulation, and the uptake of immune complexes. CD32 consists of Fc receptors FcγRIIa (CD32a), FcγRIIb (CD32b), and FcγRIIc (CD32c).