PA007419.h1Fs: Non-conjugated Recombinant Anti-human CD32 Monoclonal Antibody (Clone: IV.3) for Flow Cytometry, Human IgG1 Fc Silent Kappa, In vivo Grade

Catalog No.: PA007419.h1Fs | **Product Name:** Recombinant Anti-human CD32 Monoclonal Antibody (Clone: IV.3), Human IgG1 Fc Silent Kappa

The human CD32 Fc blocking antibody (IV.3 Fc blocking antibody) is an anti-human Fc receptor antibody for human FcR blocking reagent. Various isotypes are available for certain applications. Condition of sample preparation and optimal sample dilution should be determined experimentally by the investigator.

PRODUCT SPECIFICATIONS

Catalog No.	PA007419.h1Fs
Product Name	Recombinant Anti-human CD32 Monoclonal Antibody (Clone: IV.3), Human IgG1 Fc Silent Kappa
Supplier Name	Syd Labs, Inc.
Brand Name	Syd Labs
Synonyms	cluster of differentiation 32, Fc gamma RIIA and Fc gamma RIIB
Clone	IV.3.
Isotype	Human IgG1 Fc Silent Kappa
Source/Host	The anti-human CD32 monoclonal antibody (clone: IV.3) for Flow Cytometry was produced in mammalian cells.
Specificity/Sensitivity	The recombinant IV.3 antibody for Flow Cytometry specifically binds to human CD32.
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.
Endotoxin	Less than 1 EU/mg of protein as determined by LAL method.
Purity	>95% by SDS-PAGE under reducing conditions.
Shipping & Storage	The Recombinant Anti-human CD32 Monoclonal Antibody (Clone: IV.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 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).

Engineered with an Fc-silent Human IgG1 constant region, this variant eliminates background binding caused by host Fc receptor interactions during assays.