PA007420.h1Fs: Non-conjugated Recombinant Anti-human CD64 Monoclonal Antibody (Clone: 22) for Flow Cytometry, Human IgG1 Fc Silent Kappa, In vivo Grade

Catalog No.: PA007420.h1Fs | **Product Name:** Recombinant Anti-human CD64 Monoclonal Antibody (Clone: 22), Human IgG1 Fc Silent Kappa

The human CD64 Fc blocking antibody (22 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.	PA007420.h1Fs
Product Name	Recombinant Anti-human CD64 Monoclonal Antibody (Clone: 22), Human IgG1 Fc Silent Kappa
Supplier Name	Syd Labs, Inc.
Brand Name	Syd Labs
Synonyms	cluster of differentiation 64, Fc gamma RIA and Fc gamma RIB, Human Fc Receptor Blocking Antibody
Clone	22.
Isotype	Human IgG1 Fc Silent Kappa
Source/Host	The anti-human CD64 monoclonal antibody (clone: 22) for Flow Cytometry was produced in mammalian cells.
Specificity/Sensitivity	The recombinant 22 antibody for Flow Cytometry specifically binds to human CD64.
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	Shipped with ice pack. Store at 2 to 8°C as supplied (12 months from receipt). Do not freeze.

REFERENCES & BACKGROUND

The recombinant 22 antibody binds to human and non-human primate CD64 or FcγRI, a cluster of differentiation molecule found on monocytes, macrophages, and neutrophils. CD64 plays a central role in macrophage antibody-dependent cellular cytotoxicity and clearance of immune complexes, and is a candidate biomarker for bacterial infection and sepsis. Engineered with an Fc-silent Human IgG1 domain, this clone serves as an optimal human Fc receptor blocking reagent to prevent non-specific binding during flow cytometry and functional assays.