Anti-mouse CD16/CD32 Antibody for Flow Cytometry (Clone: 2.4G2, Human IgG1 Fc Silent Kappa) | PA007488.h1Fs

Catalog No.: PA007488.h1Fs | **Isotype:** Human IgG1 Fc Silent Kappa | **Flow Cytometry / In Vivo Grade**

The mouse CD16/CD32 Fc blocking antibody (2.4G2 Fc blocking antibody) is an anti-mouse Fc receptor antibody for mouse FcR blocking reagent. Engineered with a Human IgG1 Fc-Silent domain to eliminate ADCC/CDC and minimize non-specific Fc receptor binding during flow cytometry and immunohistochemistry. Variable regions are derived from the classic rat anti-mouse CD16/CD32 clone 2.4G2 and recombinantly expressed in mammalian cells. Various isotypes are available for certain applications.

Product Specifications

Catalog No.	PA007488.h1Fs
Product Name	Recombinant Anti-mouse CD16 / CD32 Monoclonal Antibody (Clone: 2.4G2), Human IgG1 Fc Silent Kappa
Synonyms	Mouse Fc Receptor Blocking Antibody, Mouse 2.4G2 Fc Block, Mouse CD16/CD32 Fc Block
Clone & Isotype	2.4G2 | Human IgG1 Fc Silent Kappa
Applications	Flow cytometry (FC), and Immunohistochemistry - Frozen (IHC-F).
Reactivity & Specificity	Mouse CD16 and CD32. The recombinant 2.4G2 antibody for Flow Cytometry specifically binds to mouse CD16 and CD32.
Source / Host	The anti-mouse CD16 / CD32 monoclonal antibody (clone: 2.4G2) for Flow Cytometry was produced in mammalian cells.
Formulation & Conjugate	0.2 uM filtered solution, pH 7.4, containing 0.09% sodium azide. Non-conjugated.
Purity	**>95%** by SDS-PAGE under reducing conditions.
Shipping	The Recombinant Anti-mouse CD16 / CD32 Monoclonal Antibody (Clone: 2.4G2) 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.

Biological Description & Background

PA007488.h1Fs: Recombinant Anti-mouse CD16 / CD32 Monoclonal Antibody (Clone: 2.4G2) for Flow Cytometry, Human IgG1 Fc Silent Kappa [cite: 63].

The recombinant 2.4G2 antibody binds to mouse CD16 (FcγIII) and CD32 (FcγII) receptor proteins [cite: 63]. The major component of some commercial Fc block reagents is the 2.4G2 antibody [cite: 63]. The rat, mouse, and human IgG Fc binds to mouse CD64 (FcγI) [cite: 63]. Thus, the recombinant 2.4G2 antibodies can be used to block non-specific binding of IgGs to mouse Fc receptors in flow cytometry, immunohistochemistry, immunoprecipitation, and blocking assays [cite: 63]. Customers may choose different IgG isotypes for their own applications [cite: 63]. For human T cell research, Syd Labs OKT3 antibodies are also available.

Ordering & Technical Support

For custom volume ordering or inquiries, please visit the product webpage or contact our support team:

- **Product Webpage:** https://www.ushelf.com/anti-mouse-cd16-cd32-monoclonal-antibody-pa007488-h1fs/
- **Order Phone:** 1-617-401-8149 | **Fax:** 1-617-606-5022
- **Support Email:** message@sydlabs.com