# Anti-mouse CD115 Antibody for Flow Cytometry (Clone: AFS98, Human IgG1 Fc Silent Kappa) | PA007484.h1Fs

**Catalog No.:** PA007484.h1Fs | **Isotype:** Human IgG1 Fc Silent Kappa | **Flow Cytometry / In Vivo Grade**

Recombinant anti-mouse CSF1R (CD115) monoclonal antibody (Clone AFS98), engineered with a Human IgG1 Fc-Silent domain to eliminate ADCC/CDC and minimize non-specific Fc receptor binding during flow cytometry, immunohistochemistry, and receptor blocking studies. Variable regions are derived from the classic rat anti-mouse CD115 clone AFS98 and recombinantly expressed in mammalian cells. Recombinant Human IgG1 isotype controls are available. For human T cell research, Syd Labs OKT3 antibodies are also available.

## Product Specifications

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| **Catalog No.** | PA007484.h1Fs |
| **Product Name** | Recombinant Anti-mouse CSF1R (CD115) Monoclonal Antibody (Clone: AFS98), Human IgG1 Fc Silent Kappa |
| **Synonyms** | Colony Stimulating Factor 1 Receptor, CSF1R, Macrophage Colony-stimulating Factor Receptor, M-CSFR |
| **Clone & Isotype** | AFS98 \| Human IgG1 Fc Silent Kappa |
| **Applications** | Flow cytometry (FC), and Immunohistochemistry - Frozen (IHC-F). |
| **Reactivity & Specificity** | Mouse CD115. The recombinant AFS98 antibody for Flow Cytometry specifically binds to mouse CD115. |
| **Source / Host** | The anti-mouse CD115 monoclonal antibody (clone: AFS98) 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 CD115 Monoclonal Antibody (Clone: AFS98) 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

PA007484.h1Fs: Recombinant Anti-mouse CSF1R (CD115) Monoclonal Antibody (Clone: AFS98) for Flow Cytometry, Human IgG1 Fc Silent Kappa.

Recombinant Human IgG1 Monoclonal Antibody with Fc silent mutation.

CD115, also known as Colony Stimulating Factor 1 Receptor (CSF1R) or Macrophage Colony-stimulating Factor Receptor (M-CSFR), is a single-pass type I transmembrane tyrosine kinase receptor. CD115 is expressed on monocytes, tissue macrophages, osteoclasts, and dendritic cell precursors, acting as a critical regulator for macrophage lineage differentiation, survival, and proliferation.

Engineered with a Human IgG1 Fc Silent domain, clone AFS98 eliminates ADCC/CDC effector functions and prevents non-specific Fc receptor binding, providing an optimal Fc-silent reagent for high-precision flow cytometry, immunohistochemistry, and macrophage biology studies. 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-cd115-monoclonal-antibody-pa007484-h1fs/
- **Order Phone:** 1-617-401-8149 | **Fax:** 1-617-606-5022
- **Support Email:** message@sydlabs.com