Anti-mouse CTLA-4 Antibody for Flow Cytometry (Clone: 9D9, Human IgG1 Fc Silent Kappa) | PA007501.h1Fs

Catalog No.: PA007501.h1Fs | **Isotype:** Human IgG1 Fc Silent Kappa | **Flow Cytometry / In Vivo Grade**

Recombinant anti-mouse CTLA-4 monoclonal antibody (Clone 9D9), engineered with a Human IgG1 Fc-Silent domain to eliminate ADCC/CDC and minimize non-specific Fc receptor binding during flow cytometry, immunohistochemistry, and immune checkpoint blocking assays. Variable regions are derived from the classic 9D9 clone and recombinantly expressed in mammalian cells.

Product Specifications

Catalog No.	PA007501.h1Fs
Product Name	Recombinant Anti-mouse CTLA-4 Monoclonal Antibody (Clone: 9D9), Human IgG1 Fc Silent Kappa
Synonyms	cytotoxic T-lymphocyte associated antigen 4, cytotoxic T-lymphocyte antigen 4, CD152, CTLA4
Clone & Isotype	9D9 | Human IgG1 Fc Silent Kappa
Applications	Flow cytometry (FC), and Immunohistochemistry - Frozen (IHC-F).
Reactivity & Specificity	Mouse CTLA-4 protein. The recombinant 9D9 antibody for Flow Cytometry specifically binds to mouse CTLA-4 protein.
Source / Host	The anti-mouse CTLA-4 monoclonal antibody (clone: 9D9) 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 CTLA-4 Monoclonal Antibody (Clone: 9D9) 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

Recombinant Human IgG1 Monoclonal Antibody with Fc silent mutation.

The 9D9 antibody blocks the mouse cytotoxic T lymphocyte antigen-4 (CTLA-4). Blocking CTLA-4 removes an inhibitory signal from reducing the activity of T lymphocytes. Cytotoxic T-lymphocyte antigen-4 (CTLA-4) is an inhibitory molecule that competes with the stimulatory CD28 for binding to B7 on antigen presenting cells. CTLA-4 and CD28 are both presented on the surface of T-cells.

Engineered with a Human IgG1 Fc Silent domain, clone 9D9 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 immune checkpoint blocking assays.

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-ctla-4-monoclonal-antibody-pa007501-h1fs/
- **Order Phone:** 1-617-401-8149 | **Fax:** 1-617-606-5022
- **Support Email:** message@sydlabs.com