Anti-mouse CD137 (TNFRSF9 or 4-1BB) Antibody for Flow Cytometry (Clone: LOB12.3, Human IgG1 Fc Silent Kappa) | PA007487.h1Fs

Catalog No.: PA007487.h1Fs | **Isotype:** Human IgG1 Fc Silent Kappa | **Flow Cytometry / In Vivo Grade**

Recombinant anti-mouse CD137 (TNFRSF9 or 4-1BB) monoclonal antibody (Clone LOB12.3), engineered with a Human IgG1 Fc-Silent domain to eliminate ADCC/CDC and minimize non-specific Fc receptor binding during flow cytometry, immunohistochemistry, and costimulatory signaling studies. Variable regions are derived from the classic rat anti-mouse CD137 clone LOB12.3 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

Catalog No.	PA007487.h1Fs
Product Name	Recombinant Anti-mouse CD137 (TNFRSF9 or 4-1BB) Monoclonal Antibody (Clone: LOB12.3), Human IgG1 Fc Silent Kappa
Synonyms	cluster of differentiation 137, CD137, TNFRSF9, 4-1BB
Clone & Isotype	LOB12.3 | Human IgG1 Fc Silent Kappa
Applications	Flow cytometry (FC), and Immunohistochemistry - Frozen (IHC-F).
Reactivity & Specificity	Mouse 4-1BB protein. The recombinant LOB12.3 antibody for Flow Cytometry specifically binds to mouse 4-1BB protein.
Source / Host	The anti-mouse CD137 (TNFRSF9 or 4-1BB) monoclonal antibody (clone: LOB12.3) 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 CD137 (TNFRSF9 or 4-1BB) Monoclonal Antibody (Clone: LOB12.3) 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.

Biological Description & Background

PA007487.h1Fs: Recombinant Anti-mouse CD137 (TNFRSF9 or 4-1BB) Monoclonal Antibody (Clone: LOB12.3) for Flow Cytometry, Human IgG1 Fc Silent Kappa [cite: 63].

Recombinant Human IgG1 Monoclonal Antibody with Fc silent mutation [cite: 63].

CD137 (TNFRSF9 or 4-1BB) is a membrane-bound receptor belonging to the tumor necrosis factor receptor (TNFR) superfamily. Expressed primarily on activated CD4+ and CD8+ T cells, NK cells, and NKT cells, CD137 delivers potent costimulatory signals that promote T cell survival, proliferation, and effector functions.

Engineered with a Human IgG1 Fc Silent domain, clone LOB12.3 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 costimulatory signaling 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-cd137-tnfrsf9-or-4-1bb-monoclonal-antibody-pa007487-h1fs/
- **Order Phone:** 1-617-401-8149 | **Fax:** 1-617-606-5022
- **Support Email:** message@sydlabs.com