Anti-mouse CD137 (TNFRSF9 or 4-1BB) Antibody for Flow Cytometry (Clone: 3H3, Rat IgG2a Kappa) | PA007486.r2a

Catalog No.: PA007486.r2a | **Isotype:** Rat IgG2a Kappa | **Flow Cytometry / In Vivo Grade**

Recombinant rat anti-mouse CD137 (TNFRSF9 or 4-1BB) monoclonal antibody (Clone 3H3), engineered with a Rat IgG2a Kappa constant region for flow cytometry, immunohistochemistry, and costimulatory signaling studies. Variable regions are derived from the classic rat anti-mouse CD137 clone 3H3 and recombinantly expressed in mammalian cells. Recombinant rat IgG2a and human IgG1 isotype controls are available. For human T cell research, Syd Labs OKT3 antibodies are also available.

Product Specifications

Catalog No.	PA007486.r2a
Product Name	Recombinant Anti-mouse CD137 (TNFRSF9 or 4-1BB) Monoclonal Antibody (Clone: 3H3), Rat IgG2a Kappa
Synonyms	cluster of differentiation 137, CD137, TNFRSF9
Clone & Isotype	3H3 | Rat IgG2a Kappa
Applications	Flow cytometry (FC), and Immunohistochemistry - Frozen (IHC-F).
Reactivity & Specificity	Mouse 4-1BB protein. The recombinant 3H3 antibody for Flow Cytometry specifically binds to mouse 4-1BB protein.
Source / Host	The anti-mouse CD137 (TNFRSF9 or 4-1BB) monoclonal antibody (clone: 3H3) 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: 3H3) for Flow Cytometry, Rat IgG2a 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

PA007486.r2a: Recombinant Anti-mouse CD137 (TNFRSF9 or 4-1BB) Monoclonal Antibody (Clone: 3H3) for Flow Cytometry, Rat IgG2a Kappa [cite: 63].

Recombinant Rat IgG2a Monoclonal Antibody [cite: 63].

CD137 (TNFRSF9 or 4-1BB) is a key costimulatory receptor belonging to the tumor necrosis factor receptor (TNFR) superfamily [cite: 62]. Expressed on activated CD4+ and CD8+ T cells, NK cells, and NKT cells, CD137 signaling enhances T cell proliferation, survival, and effector function.

The monoclonal antibody clone 3H3 specifically binds to mouse CD137 (4-1BB) [cite: 62]. Recombinantly produced with a Rat IgG2a Kappa backbone in mammalian cells, this antibody provides excellent batch consistency, high specificity, and reliable binding performance in flow cytometry, immunohistochemistry, and T cell activation assays [cite: 62]. 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-pa007486-r2a/
- **Order Phone:** 1-617-401-8149 | **Fax:** 1-617-606-5022
- **Support Email:** message@sydlabs.com