Anti-mouse CD40L (CD154) Antibody for Flow Cytometry (Clone: MR1, Human IgG1 Fc Silent Kappa) | PA007495.h1Fs

Catalog No.: PA007495.h1Fs | **Isotype:** Human IgG1 Fc Silent Kappa | **Flow Cytometry / In Vivo Grade**

Recombinant anti-mouse CD40L / CD154 monoclonal antibody (Clone MR1), engineered with a Human IgG1 Fc-Silent domain to eliminate ADCC/CDC and minimize non-specific Fc receptor binding during flow cytometry, immunohistochemistry, and functional studies. Variable regions are derived from the classic MR1 clone and recombinantly expressed in mammalian cells.

Product Specifications

Catalog No.	PA007495.h1Fs
Product Name	Recombinant Anti-mouse CD40L (CD154) Monoclonal Antibody (Clone: MR1), Human IgG1 Fc Silent Kappa
Synonyms	CD154, Cd40l, Tnfsf5, Cd40lg, CD40 ligand
Clone & Isotype	MR1 | Human IgG1 Fc Silent Kappa
Applications	Flow cytometry (FC), and Immunohistochemistry - Frozen (IHC-F).
Reactivity & Specificity	Mouse CD154 protein. The recombinant MR1 antibody for Flow Cytometry specifically binds to mouse CD154 protein.
Source / Host	The anti-mouse CD40L (CD154) monoclonal antibody (clone: MR1) 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 CD40L (CD154) Monoclonal Antibody (Clone: MR1) 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 anti-mouse CD40L (CD154) monoclonal antibody clone MR1 reacts with mouse CD154 (CD40 ligand), a key costimulatory molecule expressed on activated T cells. CD40L interacts with CD40 on antigen-presenting cells, playing an essential role in T cell-dependent B cell activation, germinal center formation, isotype switching, and cytokine production.

Engineered with a Human IgG1 Fc Silent domain, clone MR1 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 functional studies.

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-cd40l-cd154-monoclonal-antibody-pa007495-h1fs/
- **Order Phone:** 1-617-401-8149 | **Fax:** 1-617-606-5022
- **Support Email:** message@sydlabs.com