Anti-mouse CD40L (CD154) Antibody for Flow Cytometry (Clone: MR1, Mouse IgG1 Kappa) | PA007495.m1

Catalog No.: PA007495.m1 | **Isotype:** Mouse IgG1 Kappa | **Flow Cytometry / In Vivo Grade**

Recombinant mouse anti-mouse CD40L / CD154 monoclonal antibody (Clone MR1), engineered with a Mouse IgG1 Kappa constant region for flow cytometry, immunohistochemistry, and functional studies. Variable regions are derived from the classic hamster/mouse chimeric or rat/mouse systems associated with clone MR1 and recombinantly expressed in mammalian cells.

Product Specifications

Catalog No.	PA007495.m1
Product Name	Recombinant Anti-mouse CD40L (CD154) Monoclonal Antibody (Clone: MR1), Mouse IgG1 Kappa
Synonyms	CD154, Cd40l, Tnfsf5, Cd40lg, CD40 ligand
Clone & Isotype	MR1 | Mouse IgG1 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, Mouse IgG1 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 Mouse IgG1 Monoclonal Antibody.

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.

Our recombinant MR1 antibodies incorporate variable regions of the classic MR1 clone expressed on a mouse IgG1 Kappa backbone, providing high batch-to-batch consistency and exceptional specificity for flow cytometry, immunohistochemistry, and functional 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-cd40l-cd154-monoclonal-antibody-pa007495-m1/
- **Order Phone:** 1-617-401-8149 | **Fax:** 1-617-606-5022
- **Support Email:** message@sydlabs.com