

30-1440: Anti-CD154 / CD40L Monoclonal Antibody (Clone:MR-1)

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| Clonality : | Monoclonal |
| Clone Name : | MR-1 |
| Application : | FACS, IP, IHC, ICC, Functional Assay |
| Reactivity : | Mouse |
| Gene : | Cd40lg |
| Gene ID : | 21947 |
| Uniprot ID : | P27548 |
| Format : | Purified |
| Alternative Name : | Cd40lg,Cd40l,Tnfsf5 |
| Isotype : | Hamster IgG1 |
| Immunogen Information : | Activated mouse Th1 clone D1.6 |

Description

CD154 / CD40L (CD40 ligand) is a member of the tumor necrosis factor family, and is expressed primarily on activated CD4+ lymphocytes, but also on mast cells, basophils, eosinophils and human dendritic cells. Its counter-receptor CD40 is expressed on antigen presenting cells, including dendritic cells, macrophages, and B cells, and also on fibroblasts. Triggering of CD40 by CD40L causes maturation of dendritic cells and upregulation of antigen presentation in functions of the MHC and costimulatory molecules. CD40L also functions as a direct stimulating factor for T cells. CD40L plays also roles e.g. in antibody class switching and modulation of apoptosis in the germinal center.

Product Info

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| Amount : | 0.1 mg |
| Purification : | Purified by protein-A affinity chromatography |
| Storage condition : | Store at 2-8°C. Do not freeze. |

Application Note

Flow Cytometry *Recommended dilution:* 4 Åµg/ml

Positive control: 6-8 hour activated mouse splenocytes **Immunoprecipitation Immunohistochemistry Immunocytochemistry**

Functional Application Blocking T cell costimulation in vivo.