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30-1636: Anti-CD154 / CD40L Monoclonal Antibody (Clone:MR-1)-Low Endotoxin

Clonality :	Monoclonal
Clone Name :	MR-1
Application :	FACS, IP, IHC, ICC, Functional Assay
Reactivity :	Mouse
Gene :	Cd40lg
Gene ID :	21947
Uniprot ID :	P27548
Format :	Low Endotoxin
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

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

Application Note

Flow Cytometry *Recommended dilution:*4 ÃÂµg/ml
*Positive control:*6-8 hour activated mouse splenocytes **Immunoprecipitation Immunohistochemistry Immunocytochemistry Functional Application** Blocking T cell costimulation in vivo.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.