



Product Datasheet
anti--Mouse CD40L/CD154 monoclonal antibody (FITC)
Catalogue Code: AGIM0516

Antibody Data

Product SKU:	AGIM0516	Clone	MR-1
Applications:	FC	Conjugate	FITC
Reactivity:	Mouse		

Immunogen Information:

Host Species: Rat

Isotype: IgG2b

Storage: Store at 4 °C. Avoid prolonged exposure to light.

Background:

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.