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30-1663: Anti-CD154 / CD40L Monoclonal Antibody (Clone:24-31)-Low Endotoxin

Clonality :	Monoclonal
Clone Name :	24-31
Application :	FACS
Reactivity :	Human
Gene :	CD40LG
Gene ID :	959
Uniprot ID :	P29965
Format :	Low Endotoxin
Alternative Name :	CD40LG,CD40L,TNFSF5,TRAP
Isotype :	Mouse IgG1
Immunogen Information :	human CD154 fusion protein

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-A affinity chromatography
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Flow Cytometry Immunocytochemistry Functional Application blocking

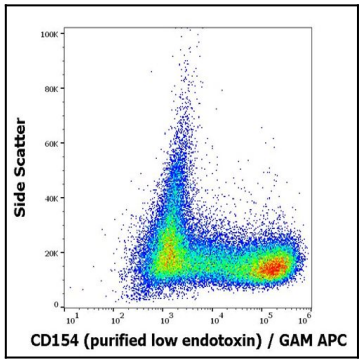


Figure 1: Flow cytometry surface staining pattern of stimulated (PMA + ionomycin) peripheral blood mononuclear cells stained using anti-human CD154 (24-31) purified antibody GAM APC.

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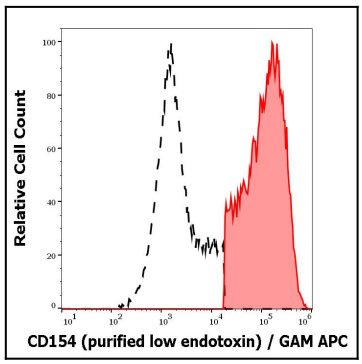


Figure 2: Separation of human CD154 positive cells (red-filled) from CD154 negative cells (black-dashed) in flow cytometry analysis (surface staining) of stimulated (PMA + ionomycin) peripheral blood mononuclear cells stained using anti-human CD154 (24-31) purified antibody GAM APC.

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