

Datasheet: MCA1968Z

Description:	MOUSE ANTI HUMAN CD154:Preservative Free
Specificity:	CD154
Other names:	CD40 LIGAND, TRAP
Format:	Preservative Free
Product Type:	Monoclonal Antibody
Clone:	MK13A4
Isotype:	IgG1
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	■			
Immunohistology - Frozen			■	
Immunohistology - Paraffin			■	
ELISA			■	
Immunoprecipitation			■	
Western Blotting			■	
Functional Assays	■			

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
External Database Links	UniProt: P29965 Related reagents Entrez Gene: 959 CD40LG Related reagents

Synonyms	CD40L, TNFSF5, TRAP
Specificity	Mouse anti Human CD154 antibody, clone MK13A4 recognizes the human CD154 cell surface antigen, a 32 kDa glycoprotein also known as CD40 ligand. CD154 is expressed on activated T lymphocytes, predominantly CD4+ve cells and also on some basophils and mast cells. Mouse anti Human CD154 antibody, clone MK13A4 has been reported to block binding of CD40 ligand to its receptor CD40.
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
References	1. Koumas, L. <i>et al.</i> (2001) Fibroblast heterogeneity: existence of functionally distinct Thy 1(+) and Thy 1(-) human female reproductive tract fibroblasts. Am J Pathol. 159 (3): 925-35. 2. Kaufman, J. <i>et al.</i> (2004) Expression of CD154 (CD40 ligand) by human lung fibroblasts: differential regulation by IFN-gamma and IL-13, and implications for fibrosis. J Immunol. 172:1862-71 3. Arita, S. <i>et al.</i> (2008) B cell activation regulates exosomal HLA production. Eur J Immunol. 38 (5): 1423-34. 4. Deambrosis, I. <i>et al.</i> (2009) Inhibition of CD40-CD154 costimulatory pathway by a cyclic peptide targeting CD154. J Mol Med (Berl). 87 (2): 181-97.
Storage	Store at -20°C. This product should be stored undiluted. Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10162 available at: 10162: https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR13...)	HRP

Human Anti Mouse IgG1 (HCA036...) [HRP](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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