

## Purified Anti-Human/Monkey CD154/CD40L Antibody[5C8], Functional Grade

catalog number: E-AB-F11280

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

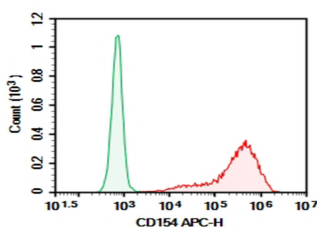
<b>Reactivity</b>	Human;Monkey
<b>Immunogen</b>	Recombinant Human CD154 protein
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG2a, κ
<b>Clone</b>	5C8
<b>Purification</b>	>98%, Protein A/G purified
<b>Buffer</b>	Sterile PBS, pH 7.2. < 1.0 EU per mg of the antibody as determined by the LAL method.

### Applications

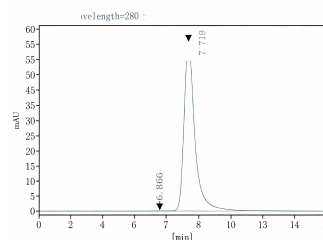
### Recommended Dilution

<b>FCM</b>	2 µg/mL(0.5×10 <sup>6</sup> -1×10 <sup>6</sup> cells)
<b>Block</b>	Reported in the literature

### Data



HEK293T cells transfected with pcDNA3.1 plasmid encoding Human CD154 gene were stained with 0.2 µg Purified Anti-Human CD154 Antibody[5C8], Functional Grade (Right) and 0.2 µg Mouse IgG2a, κ Isotype Control (Left), followed by APC-conjugated Goat Anti-Mouse IgG Secondary Antibody.



Monomer purity ≥95% as determined by analytical size-exclusion chromatography (SEC)

### Preparation & Storage

<b>Storage</b>	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles. This preparation contains no preservatives, thus it should be handled under aseptic conditions.
<b>Shipping</b>	Ice bag

### Background

CD154 is a 39 kD TNF superfamily member also known as CD40 ligand, gp39, T-BAM, TRAP, and Ly-62. CD154 is an accessory molecule expressed predominantly on activated CD4<sup>+</sup> lymphocytes that bind CD40. CD154 plays an important role in T-B cell costimulation.

None (Azide-Free, Low Endotoxin) are perfectly suited to be used in culture or in vivo (for nonhuman studies) for functional assays blocking, neutralizing, activation or depletion where the presence of azide may damage cells or exogenous endotoxin may signal or activate cells.

### Application References

#### For Research Use Only

Ognjenka Nadazdin, et al. J Immunol. 2011 Nov 1;187(9):4589-97.

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Toll-free: 1-888-852-8623  
Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086  
Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017

Rev. V2.7