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.*

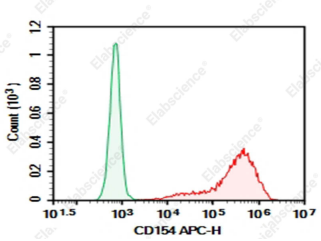
Description

Reactivity	Human;Monkey
Immunogen	Recombinant Human CD154 protein
Host	Mouse
Isotype	Mouse IgG2a, κ
Clone	5C8
Purification	> 98%, Protein A/G purified, ≥ 95% monomer by analytical SEC
Endotoxin	< 1 EU/mg determined by LAL assay
Conjugation	Unconjugated
Buffer	Sterile PBS, pH 7.2. Contains no stabilizers or preservatives

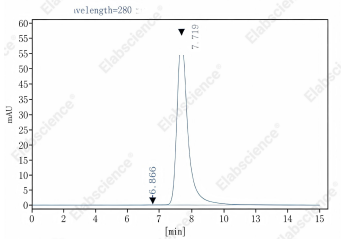
Applications | Recommended Dilution

FCM	≤ 0.2 μg per million cells in 100 μL volume
Block	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

Storage	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.
Shipping	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+ 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.

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Application References

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