

Anti-CD40L (Ruplizumab), Human IgG1 Antibody

CATALOG NO:	A1094-50 50 µg A1094-100 100 µg
ALTERNATIVE NAMES:	CD40 ligand; tumour necrosis factor ligand superfamily member 5; TNFSF5; CD154; tumour necrosis factor related activation protein; TRAP
IMMUNOGEN:	Human CD40L
ISOTYPE / FORMAT:	Human IgG1, kappa
CLONALITY:	Monoclonal
CLONE:	hu5c8
SPECIES REACTIVITY:	Human
FORM:	Liquid
SPECIFICITY:	The antibody binds to CD40L with an IC50 of 0.845 ug/ml
SOURCE:	CHO cells
FORMULATION:	Supplied in PBS, pH 7.5
STORAGE CONDITIONS:	Aliquot and store at -20 °C to -80 °C. Avoid repeated freeze-thaw cycles
DESCRIPTION:	Recombinant monoclonal antibody to CD40L. Manufactured using recombinant technology with variable regions (i.e. specificity) from the hybridoma hu5c8 (Ruplizumab).The antibody binds specifically to CD40L, a surface receptor expressed on activated T cells which acts as a costimulatory molecule to trigger immune responses. The antibody neutralizes CD40L function, as it blocks the interaction between CD40 and CD40L. When injected into cynomolgus monkeys, the antibody was found to have a T1/2 of 531 ± 155 hours.
APPLICATION:	Block; FC
REFERENCE:	Karpusas <i>et al.</i> Structure of CD40 Ligand in Complex with the Fab Fragment of a Neutralizing Humanized Antibody Structure. 2001 Apr 4;9 (4):321-9.

RELATED PRODUCTS:

- Anti-VEGF (Bevacizumab), humanized Antibody (**Cat. No. A1045-100**)
- Anti-HER2 (Trastuzumab), humanized Antibody (**Cat. No. A1046-100**)
- Anti-EGFR (Cetuximab), Chimeric Antibody (**Cat. No. A1047-100**)
- Anti-TNF-α (Adalimumab), humanized Antibody (**Cat. No. A1048-100**)
- Anti-CD20 (Rituximab), Chimeric Antibody (**Cat. No. A1049-100**)
- Anti-EGFR (Panitumumab), humanized antibody (**Cat. No. A1050-100**)
- Anti-OX40L (Oxelumab), Human IgG1 Antibody (**Cat. No. A1088-200**)
- Anti-CD11a (Efalizumab), Human IgG1 Antibody (**Cat. No. A1089-200**)
- Anti-EGFR (Matuzumab), Human IgG1 Antibody (**Cat. No. A1090-200**)
- Anti-CD4 (Clenoliximab), Human IgG4 Antibody (**Cat. No. A1091-200**)

FOR RESEARCH USE ONLY! Not to be used on humans.