

Product datasheet for **TA386420**

CD40L (CD40LG) Mouse Monoclonal Antibody [Clone ID: IDEC-131 (Toralizumab)]

Product data:

Product Type:	Primary Antibodies
Clone Name:	IDEC-131 (Toralizumab)
Applications:	IF
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1, kappa
Clonality:	Monoclonal
Immunogen:	The original monoclonal antibody was generated by immunization with a soluble fusion protein of human gp39 (gp39-CD8).
Specificity:	This antibody is a non agonistic antibody specific for human CD40 ligand.

This antibody binds CD154 with a binding affinity of $K_d = 5.6$ nM for the originally characterized antibody (Brams et al., 2001). Phase I clinical trials of the antibody in patients with systemic lupus erythematosus revealed that a single intravenous infusion at doses of 0.05-15.0 mg/kg is safe and well tolerated in patients. (Davis et al., 2001). Although, no further development for this indication has been reported since the disclosure of disappointing phase II results in April 2000. In January 2001, phase II trials in psoriasis and idiopathic thrombocytopenic purpura (ITP) were initiated. By January 2002, a phase II trial in Crohn's disease was also ongoing. (Dumont FJ, 2002) Ab IDEC-131 was tested alone and in combination with rapamycin and DST for its ability to inhibit rhesus MLRs and it was seen that therapy with IDEC-131, rapamycin, and DST induced long-term allograft survival without intermittent acute rejection. (He Xu et al., 2003) IDEC-131 was also used in a comparative study using 3 monoclonal antibodies α CD40 (2C10R4) and α CD154 (5C8H1 and IDEC-131) to check CD40/CD154 T cell costimulation pathway in a non-human primate cardiac allotransplant model (O'Neill et al., 2017) Other suitable use in ELISA, FC, IF, IP.

Formulation:	PBS with 0.02% Proclin 300.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles.



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Stability: 3 years from dispatch.

Gene Name: CD40 ligand

Database Link: [Entrez Gene 959 Human P29965](#)

Synonyms: CD40-L; CD40L; CD154; gp39; hCD40L; HIGM1; IGM; IMD3; T-BAM; TNFSF5; TRAP

Note: This chimeric mouse antibody was made using the variable domain sequences of the original Human IgG1 format, for improved compatibility with existing reagents, assays and techniques.