

Product datasheet for **TA386433**

CD40L (CD40LG) Mouse Monoclonal Antibody [Clone ID: chi220]

Product data:

Product Type:	Primary Antibodies
Clone Name:	chi220
Applications:	BI
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a, kappa
Clonality:	Monoclonal
Immunogen:	This antibody was generated by immunizing female BALB/c mice with a fusion protein containing extracellular domain of human CD40 fused to the hinge CH2 and CH3 domains of a murine IgG2b antibody.
Specificity:	<p>This antibody binds the CD40 and blocks the humoral immune responses to T cell dependent antigens in a dose dependent manner.</p> <p>This antibody blocks the interaction between CD40 and gp39. Chi220 was used either alone or in combination with CTLA4-Ig in an immunosuppressive therapy study to check the survival of renal allografts in non human primate models (PMID: 12394833). Chi220 blocks binding of CD154, it also has partial agonist properties and weak stimulatory potential. It synergistically works with LEA29Y (belatacept) to prolong the islet allograft survival in a non-human primate <i>Macaca fascicularis</i> (PMID: 15611281). A study on protection of islets xenographs in diabetic macaques used a combination of Chi220 with IL-2 receptor specific antibody Basiliximab for immunosuppression with induction therapy. Chi220 is used as an sCD154 blocking agent and it was seen that it binds sCD154 in a dose dependant manner (PMID: 21920020). Two humanized versions of this antibody were generated F4 and L3.17, also showed similar properties. Humanized versions of this antibody are available on request.</p>
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