

CD40LG

Recombinant Mouse Multimeric CD40L

Catalog No.	CRM030	Quantity:	10 µg
Alternate Names:	CD154, CD40-L, Cd40l, HIGM1, IGM, IMD3, Ly-62, Ly62, T-BAM, TRAP, Tnfsf5, gp39		
Description:	<p>Recombinant Mouse multimeric CD40L is a high activity construct in which two trimeric CD40 ligands are artificially linked via the collagen domain of mouse ACRP30 (adiponectin). This construct effectively simulates the natural membrane-assisted aggregation of CD40L <i>in vivo</i>. It provides a simple and equally potent alternative to using a combination of CD40L plus an enhancer to increase efficacy. Multimeric CD40L has been shown to suppress alum-induced IL-1β release and caspase-1 activation in a CD40-, dose-, and time-dependent manner without affecting BMDM viability. It also effectively suppressed the inflammasome function triggered by NLRP3 activators. The secretion of caspase-1 independent inflammatory mediators has been shown to be unaltered or even enhanced.</p> <p>Mouse CD40L, aa 115-260, is fused at the N-terminus to mouse collagen domain of ACRP30 (aa18-111) and a FLAG tag.</p>		
Gene ID:	Mouse CD40L: 21947; Mouse ACRP30 (adiponectin): 11450		
Protein Accession No:	Mouse CD40L: P27548; Mouse ACRP30 (adiponectin): Q60994		
Source:	CHO cells		
Molecular Weight:	~35-40 kDa by SDS-PAGE		
Formulation:	Lyophilized from PBS.		
Purity:	≥95% by SDS-PAGE		
Endotoxin Level:	<0.01 EU/µg purified protein as determined by LAL test.		
Specificity:	Binds to mouse and human CD40.		
Biological Activity:	Induces B cells activation as demonstrated by the dose-dependent upregulation of CD86.		
Reconstitution:	Centrifuge vial prior to opening. Reconstitute with 100µl sterile water for a 0.1 mg/ml solution. PBS containing at least 0.1% BSA should be used for further dilutions.		
Storage & Stability:	<p>Store lyophilized product at 2-8°C upon arrival. For long term store at -20°C for up to 6 months.</p> <p>After reconstitution, freeze in aliquots and store at -20 to -80°C. Avoid repeated freeze-thaw cycles.</p>		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

