CD40L, soluble (mouse) (recombinant) set

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ALX-850-075-KI01	1Set

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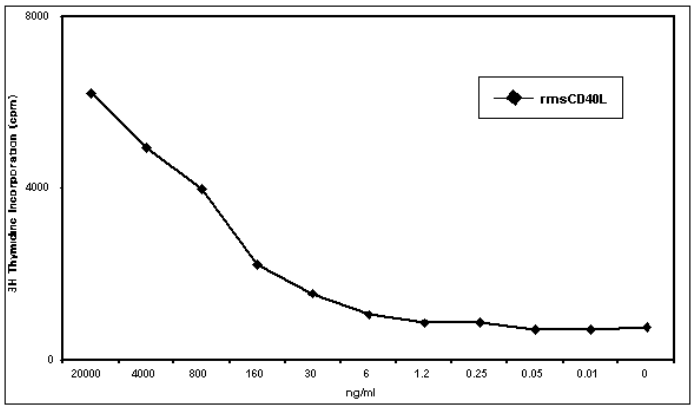


Figure: CD40L-induced proliferation of murine B cells. **Method:** Splenocytes from Balb/c mice were purified on B220 magnetic beads using the MACS system. The resulting B cells were put in culture at a density of 70’000 cells/well in a 96-well plate. Cells were activated with the indicated concentrations of CD40L, Soluble (mouse) (recombinant) (Prod. No. ALX-522-070) in the presence of 1µg/ml of Enhancer for Ligands (Prod. No. ALX-804-034). After 36 hours

Handling & Storage

Use/Stability	Stable for at least 6 months after receipt when stored at -20°C.
Handling	Avoid freeze/thaw cycles. After reconstitution, prepare aliquots and store at -20°C.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	CD154, TNFSF 5, gp39
Application	ELISA, FUNC
Application Notes	Functional Application: Stimulates the proliferation of mouse B cells and dendritic cells. The activity of CD40L increases 1’000-fold (stimulation in the ng/ml range) in the presence of the cross-linking enhancer (Prod. No. ALX-804-034).
Concentration	CD40L: 0.1mg/ml after reconstitution.Enhancer: 1mg/ml after reconstitution.
Contents	10µg of CD40L, Soluble (mouse) (recombinant) (Prod. No. ALX-522-070) and 2×50µg of Enhancer for Ligands (Prod. No. ALX-804-034) which increases the biological activity of CD40L at least 1’000-fold.
Endotoxin Content	<0.1EU/µg purified protein (LAL test; Bio Whittaker).
Formulation	Lyophilized. Contains PBS.
Purity	≥90% (SDS-PAGE).
Reconstitution	Reconstitute CD40L with 100µl sterile water and each vial of enhancer with 50µl of sterile water. Further dilutions should be made with medium containing 5% fetal calf serum or carrier protein.

Source

Produced in HEK 293 cells. The extracellular domain of mouse CD40L (CD154) (aa 115-260) is fused at the N-terminus to a linker peptide (8 aa) and a FLAG®-tag.

Specificity

CD40L binds to human and mouse CD40 in an ELISA assay.

Technical Info / Product Notes

CD40L (Prod. No. ALX-522-070) and Enhancer for Ligands (Prod. No. ALX-804-034) should be incubated together for 30 min at room temperature prior to cell application. Effects are typically best seen with 0.5-10µg/ml of CD40L together with 1-2µg/ml of enhancer. This may vary by cell type and experimental conditions. FLAG is a registered trademark of Sigma-Aldrich Co.

UniProt ID

P27548 (CD40L)

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