CD40L (soluble) (human), (recombinant)

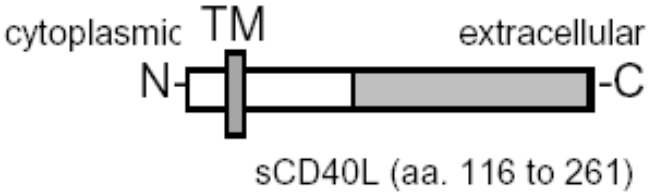
Increases the stimulation of B cells

Citations: 38 View Online »

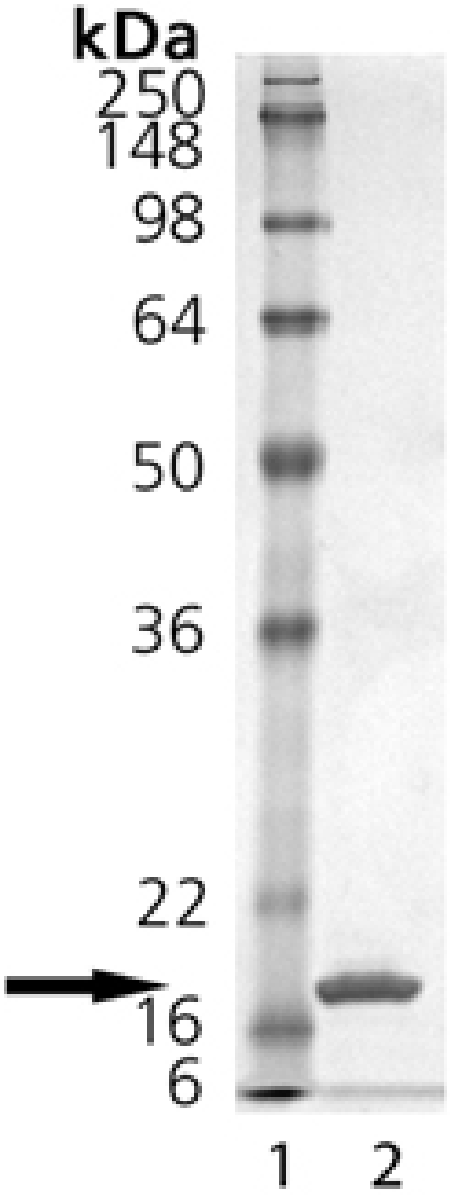
Ordering Information Order Online »

ALX-522-015-C010	10µg
ALX-522-015-2010	2x10µg
ALX-522-015-6010	SuperPack - 6x10µg

Manuals, SDS & CofA View Online »



Schematic structure of human CD40L (peptide, aa. 116 to 261).



SDS-PAGE Analysis of CD40L (soluble) (human), (recombinant). Lane 1: MW Marker, Lane 2: 1 µg.

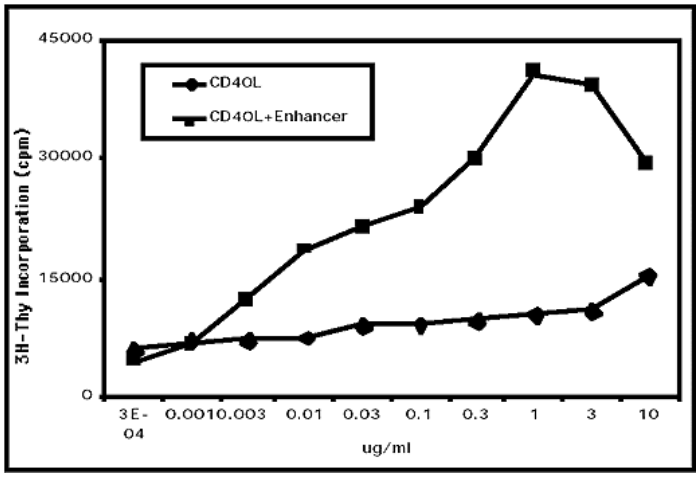


Figure 2: Stimulation of B cells by CD40L, Soluble (human) (rec.). Dose dependent costimulation of CD19+ cells by CD40L in the presence of 10ng/ml of IL-4 and of 2µg/ml anti-µ antibodies. Note that in the presence of enhancer (Prod. No. ALX-804-034)

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 Notes	ELISA: binds to CD40 receptor at 1-10 ng/ml.
Concentration	0.1mg/ml after reconstitution.
Formulation	Lyophilized. Contains PBS.
MW	~18kDa (SDS-PAGE).
Purity	≥95% (SDS-PAGE)
Purity Detail	Purified by Multi-Step Chromatography.
Reconstitution	Reconstitute each tube with 100µl sterile water. Further dilutions should be made with medium containing 5% fetal calf serum or a carrier protein.
Source	Produced in *E. coli*. The extracellular domain of human CD40L (CD154) (aa 116-261) is fused at the N-terminus to a linker peptide (6 aa) and a FLAG®-tag.
Specificity	Binds to human CD40.

Technical Info / Product Notes

Historical data has shown that CD40L stimulates growth of B cells. The activity of rhsCD40L increases 1’000-fold (stimulation in the ng/ml range) in the presence of cross-linking enhancer (see Set Prod. No. ALX-850-064). For stimulation of mouse cells via CD40 use CD40L, Soluble (mouse) (recombinant) (Prod. No. ALX-522-070 or ALX-850-075).

FLAG is a registered trademark of Sigma-Aldrich Co.

UniProt ID

P29965

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