CD40L, soluble (human) (recombinant) set

Ligand plus enhancer for improved stability and enhanced immune activation.

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ALX-850-064-KI01	1Set

Manuals, SDS & CofA View Online »

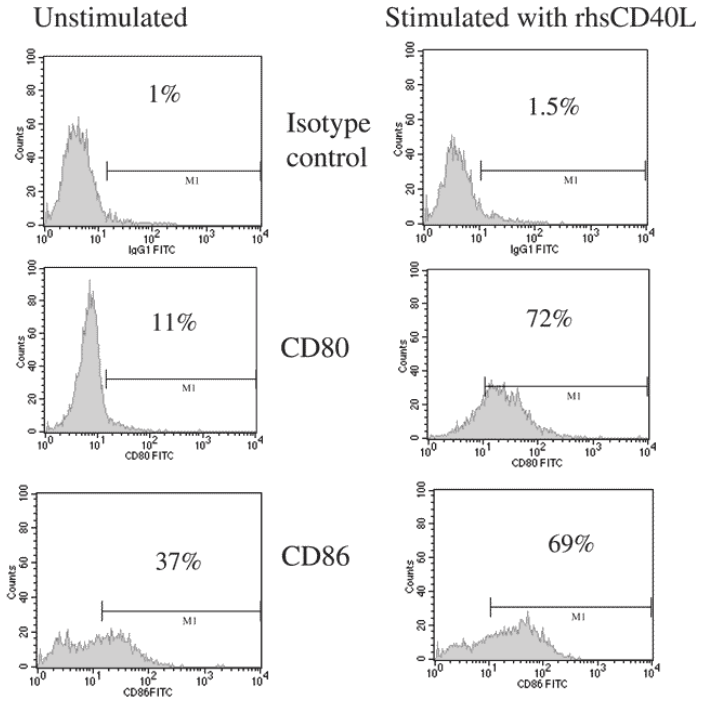


Figure 3: Phenotypic characterization of unstimulated (left panels) and CD40-stimulated (right panels) pre-B ALL cells from a patient cultured on human bone marrow stroma layer for 48 hours. Histograms represent the fluorescence distribution by monoclonal antibodies to CD80 and CD86 as analyzed by flow cytometry for a representative case. *Figure kindly provided by Dr. Elisabetta Todisco, Molecular Immunohematology Laboratory, Centro Ricerca M.Tettamanti, University of Milano Bicocca, Monza.*

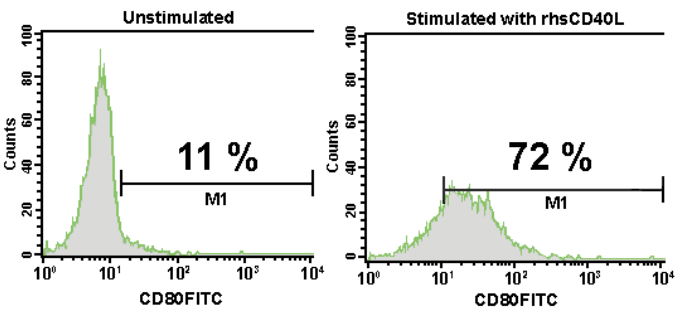


Figure 1: Stimulation of B-cell precursor (BCP) acute lymphoblastic leukemia by CD40L, Soluble (human) (rec.). Phenotypic characterization of unstimulated (left panels) and Cd40-stimulated (right panels) pre B ALL cells from a patient cultured on human bone marrow stroma layer for 48 hours. Histograms represent the fluorescence distribution by MAb to CD80 as analyzed by flow cytometry for a representative case. *Figure kindly provided by Dr. Elisabetta Todisco, Molecular Immunohematology Laboratory, Centro Ricerca M.Tettamanti, University of Milano Bicocca, Monza.*

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
Application	FUNC
Application Notes	Can be used to activate human B cells and dendritic cells. Stimulates growth of human B cells. For stimulation of mouse cells via CD40 use MAb to CD40 (mouse) (FGK45) (Prod. No. ALX-805-046).
Concentration	CD40L: 0.1mg/ml after reconstitutionEnhancer: 1mg/ml
Contents	10µg of CD40L, Soluble (human) (recombinant) (Prod. No. ALX-522-015) and 2×50µg of Enhancer for Ligands (Prod. No. ALX-804-034), which increases the biological activity of rhsCD40L at least 1'000-fold.
Formulation	CD40L: Lyophilized. Contains PBS. Enhancer: Liquid. In PBS, pH 7.4, containing 50% glycerol. The formulation contains no antimicrobial preservatives.
Purity	≥95% (SDS-PAGE).
Reconstitution	Reconstitute CD40L with 100µl sterile water. Further dilutions should be made with medium containing 5% fetal calf serum or 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	CD40L binds to human CD40.
Technical Info / Product Notes	CD40L (Prod. No. ALX-522-015) 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	P29965

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