![DENDRITICS]

Human CD40L(CD154)-transfected murine L cells
Product reference: DDX-S2

huCD40L/huCD154 transfected murine L cells (L6)

Murine L cells were stably transfected with human CD40L (L6) and freeze-dried through proprietary process. These cells are primarily intended to activate human cells through triggering of CD40 surface antigen but were also demonstrated to activate B cells from several animal species. L6 cells successfully support the differentiation of human monocyte towards the dendritic cell lineage.
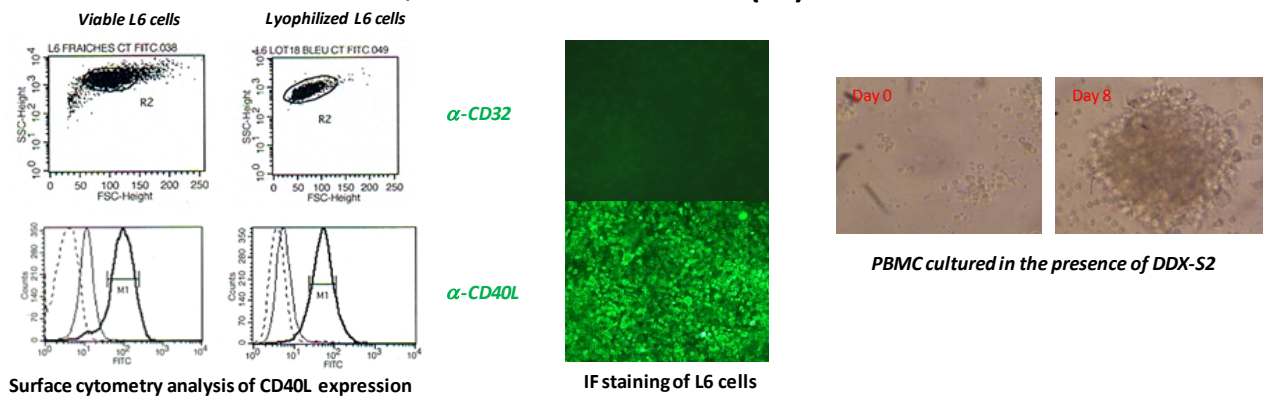
L6 cells are included in the Human Blood B booster and the Animal Blood B Booster kits, and support B cell growth and Ig secretion, but can also used alone for transient cultures.
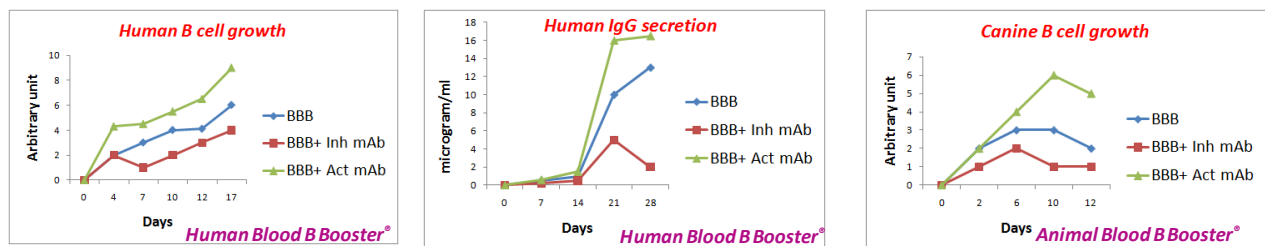
Available formats:

Reference	Format	Size	Application
DDX-S2-2		2.10^6 cells	Activation of CD40$^+$ human cells, in vitro generation of monocyte-derived dendritic
DDX-S2-5	freeze-dried	5.10^6 cells	
DDX-S2-10		10.10^6 cells	

Resuspended L6 cells can be kept at 4°C under sterile conditions for up to 2 months.
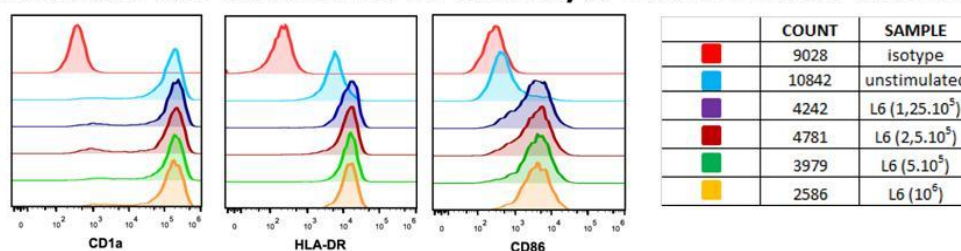
-Qualification of DDX-S2 (L6) cells

Viable L6 cells   Lyophilized L6 cells

α-CD32

α-CD40L

Surface cytometry analysis of CD40L expression

IF staining of L6 cells

Day 0   Day 8

PBMC cultured in the presence of DDX-S2

- DDX-S2 supports B cell growth and Ig secretion

Human B cell growth — Human Blood B Booster®

Human IgG secretion — Human Blood B Booster®

Canine B cell growth — Animal Blood B Booster®

Freeze-dried L6 cells are part of the Blood B Booster technology intended to immortalize human B cells and to activate animal B cells

-DDX-S2 promotes the maturation of monocyte-derived dendritics cells in vitro

	COUNT	SAMPLE
(red)	9028	isotype
(cyan)	10842	unstimulated
(purple)	4242	L6 ($1,25.10^5$)
(dark red)	4781	L6 ($2,5.10^5$)
(green)	3979	L6 (5.10^5)
(yellow)	2586	L6 (10^6)

Monocytes isolated from PBMC were cultured 5 days in the presence of rhuGM-CSF (200ng/ml) and rhuIL4 (10ng/ml).
10^5 sorted CD1a$^+$ cells were cultured for 24h with increasing number of L6 cells. Facs staining of CD1a, HLA-DR and CD86 are shown.

Storage conditions   **-2**0°C. KEEP CONTENTS STERILE: no preservative.
Usage recommendation: Resuspension in sterile complete culture medium

Not for use in Humans. For research purpose only

contact@dendritics.net   **+33(0)4.72.71.74.03**   www.dendritics.net