HLDA9 ANTIBODY VALIDATION FILE

ANTIBODY INFORMATION

Antibody Name: MEM-233

Specificity: Human CD80

Antibody species: Mouse

Ig Isotype: IgG1

Immunogen: Extracellular domain of human CD80 fused to human IgG1(Fc)

Epitope recognized: Not known

Submitter: Miloslav Suchánek (EXBIO Praha, Czech Republic)

INFORMATION FOR CONFIRMATION OF SPECIFICITY:

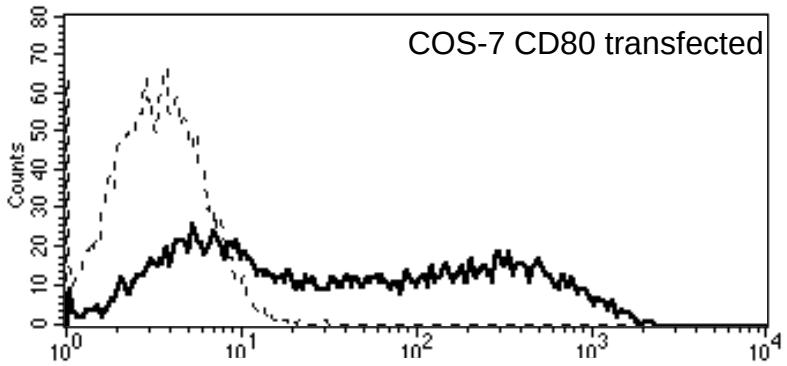
Expression on transfected COS: positive. (Fig. 1A)

Expression on the cell- surface of cell line: positive with Burkitt lymphoma B cell line Raji. (Fig. 1B)

Expression on cell- surface of normal cell: positive with tonsil GC B cells (IgD- CD38+). (Fig. 1C)

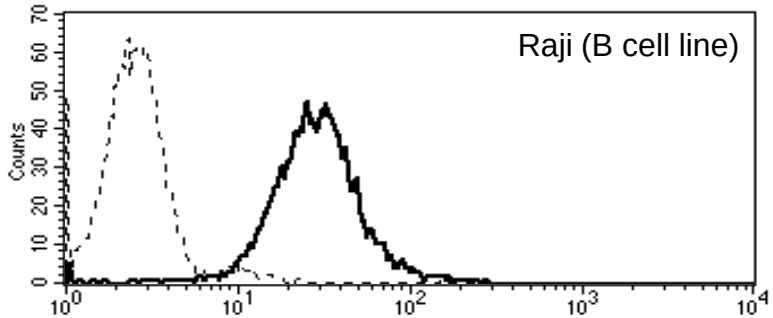
Figure 1:

A



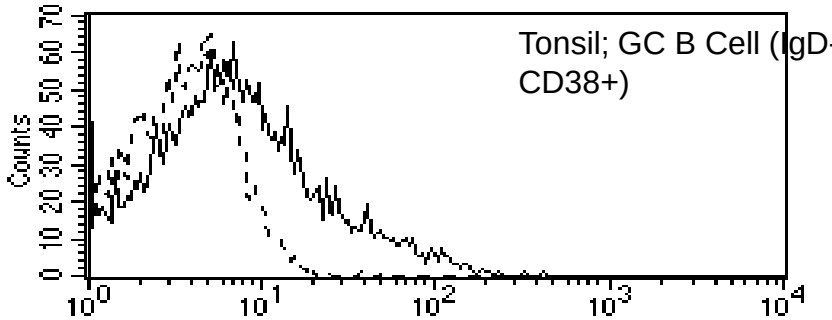
Clone name:MEM-233

B



Clone name: MEM-233

C



Clone name: MEM-233

Reactivity of CD80 with cell lines

	Cell lines	CD80
Burkitt lymphoma B cell lines	Raji	**++++**
T cell leukemia	Jurkat	**-**
NK cell leukemia	YT	**-**
Myeloid leukemia	HL-60	**-**

Reactivity of CD80 with PBL

Lymphocytes	-
Granulocytes	-
Monocytes	+

INFORMATION PROVIDED BY SUBMITTER

Publications:

Campioni D, Moretti S, Ferrari L, Punturieri M, Castoldi GL, Lanza F. Immunophenotypic heterogeneity of bone marrow-derived mesenchymal stromal cells from patients with hematologic disorders: correlation with bone marrow microenvironment. Haematologica. 2006 Mar;91(3):364-8.

Jensen MA, Yanowitch RN, Reder AT, White DM, Arnason BG. Immunoglobulin-like transcript 3, an inhibitor of T cell activation, is reduced on blood monocytes during multiple sclerosis relapses and is induced by interferon beta-1b. Mult Scler. 2010 Jan;16(1):30-8.

Tanaka M, Krutzik SR, Sieling PA, Lee DJ, Rea TH, Modlin RL. Activation of Fc gamma RI on monocytes triggers differentiation into immature dendritic cells that induce autoreactive T cell responses. J Immunol. 2009 Aug 15;183(4):2349-55.

Lee DJ, Sieling PA, Ochoa MT, Krutzik SR, Guo B, Hernandez M, Rea TH, Cheng G, Colonna M, Modlin RL. LILRA2 activation inhibits dendritic cell differentiation and antigen presentation to T cells. J Immunol. 2007 Dec 15;179(12):8128-36.

Patents:

Licensed to a company and which one: No

Was it evaluated in a previous workshop? No