

Datasheet

CD80 monoclonal antibody, clone MEM-233 (PE)

Catalog Number: MAB5054

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against recombinant CD80.

Clone Name: MEM-233

Immunogen: Recombinant Fc fusion protein corresponding to human CD80.

Host: Mouse

Theoretical MW (kDa): 60

Reactivity: Human

Applications: Flow Cyt
(See our web site product page for detailed applications information)

Protocols: See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Specificity: This antibody reacts with CD80 (B7-1), a 60 kDa single chain type I glycoprotein of immunoglobulin supergene family, expressed on professional antigen-presenting cells, such as dendritic cells, macrophages or activated B lymphocytes.

Form: Liquid

Conjugation: PE

Isotype: IgG1

Recommend Usage: Flow Cytometry (20 ul in human blood cells 100 ul in whole blood or 10⁶ cells in a suspension)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.2% BSA, 0.09% sodium azide)

Storage Instruction: Store in the dark at 4 °C. Do not freeze.

Avoid prolonged exposure to light.

Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 941

Gene Symbol: CD80

Gene Alias: CD28LG, CD28LG1, LAB7

Gene Summary: The B-lymphocyte activation antigen B7-1 (formerly referred to as B7) provides regulatory signals for T lymphocytes as a consequence of binding to the CD28 (MIM 186760) and CTLA4 (MIM 123890) ligands of T cells.[supplied by OMIM]

References:

1. Suppression of colon inflammation by CD80 blockade: evaluation in two murine models of inflammatory bowel disease. Eri R, Kodumudi KN, Summerlin DJ, Srinivasan M. *Inflamm Bowel Dis.* 2008 Apr;14(4):458-70.
2. CD86 has sustained costimulatory effects on CD8 T cells. Thomas IJ, Petrich de Marquesini LG, Ravanan R, Smith RM, Guerder S, Flavell RA, Wraith DC, Wen L, Wong FS. *J Immunol.* 2007 Nov 1;179(9):5936-46.
3. Immunophenotypic heterogeneity of bone marrow-derived mesenchymal stromal cells from patients with hematologic disorders: correlation with bone marrow microenvironment. Campioni D, Moretti S, Ferrari L, Punturieri M, Castoldi GL, Lanza F. *Haematologica.* 2006 Mar;91(3):364-8.