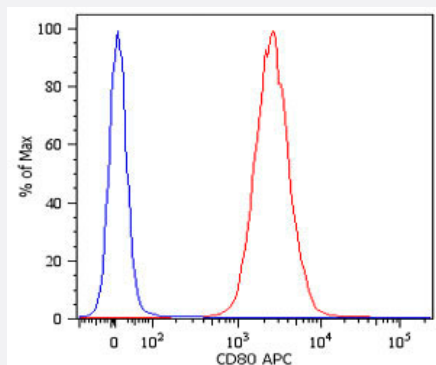


CD80 monoclonal antibody, clone MEM-233

Catalog # MAB3845 Size 100 ug

Applications



Flow Cytometry

Surface staining of Raji (human Burkitt lymphoma cell line) with CD80 monoclonal antibody, clone MEM-233 (Cat # MAB3845) - APC. Total viable cells were used for analysis.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant CD80.
Immunogen	Recombinant Fc fusion protein corresponding to extracellular domain of human CD80.
Host	Mouse
Theoretical MW (kDa)	60
Reactivity	Human
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
Isotype	IgG1
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.09% sodium azide)

Storage Instruction

Store at 4°C. Do not freeze.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunoprecipitation

- Flow Cytometry

Surface staining of Raji (human Burkitt lymphoma cell line) with CD80 monoclonal antibody, clone MEM-233 (Cat # MAB3845) - APC. Total viable cells were used for analysis.

Gene Info — CD80

Entrez GeneID[941](#)**Gene Name**

CD80

Gene Alias

CD28LG, CD28LG1, LAB7

Gene Description

CD80 molecule

Omim ID[112203](#)**Gene Ontology**[Hyperlink](#)**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]

Other Designations

B-lymphocyte activation antigen B7|CD80 antigen|CD80 antigen (CD28 antigen ligand 1, B7-1 antigen)|costimulatory factor CD80|costimulatory molecule variant IgV-CD80

Publication Reference

- [Suppression of colon inflammation by CD80 blockade: evaluation in two murine models of inflammatory bowel disease.](#)

Eri R, Kodumudi KN, Summerlin DJ, Srinivasan M.

Inflammatory Bowel Diseases 2008 Apr; 14(4):458.

- [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.

Journal of Immunology 2007 Nov; 179(9):5936.

- [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.

Pathway

- [Allograft rejection](#)
- [Autoimmune thyroid disease](#)
- [Cell adhesion molecules \(CAMs\)](#)
- [Graft-versus-host disease](#)
- [Systemic lupus erythematosus](#)
- [Toll-like receptor signaling pathway](#)
- [Type I diabetes mellitus](#)

Disease

- [Arthritis](#)
- [Asthma](#)
- [Bronchiolitis](#)
- [Carcinoma](#)
- [Celiac Disease](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis C](#)

- [Infant](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Multiple Sclerosis](#)
- [Papillomavirus Infections](#)
- [Pulmonary Disease](#)
- [Respiratory Syncytial Virus Infections](#)
- [Sarcoidosis](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Viremia](#)
- [Werner syndrome](#)