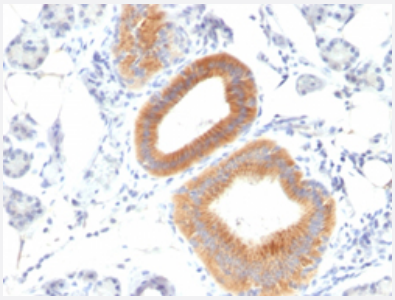
CD86 monoclonal antibody, clone C86/1146

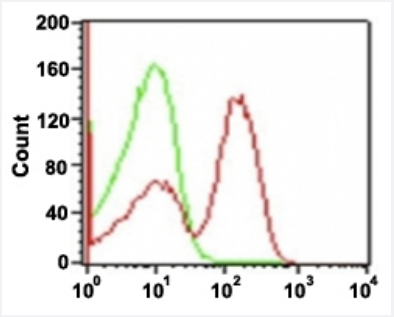
Catalog # MAB13461 Size 100 ug

Applications



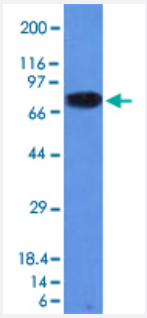
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human melanoma with CD86 monoclonal antibody, clone C86/1146 (Cat # MAB13461).



Flow Cytometry

Flow cytometric analysis of human PBMCs with CD86 monoclonal antibody, clone C86/1146 (Cat # MAB13461).



Western Blot (Cell lysate)

Western Blot analysis of Daudi cell lysate with CD86 monoclonal antibody, clone C86/1146 (Cat # MAB13461).

Specification

Product Description	Mouse monoclonal antibody raised against full length recombinant human CD86.
Immunogen	Recombinant protein corresponding to full length human CD86.

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Host	Mouse
Theoretical MW (kDa)	70
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/10^6 cells in 0.1 mL) Immunofluorescence (0.5-1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (2-4 ug/mL) Western Blot (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% BSA, 0.05% sodium azide).
Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human melanoma with CD86 monoclonal antibody, clone C86/1146 (Cat # MAB13461).

- Immunofluorescence

- Flow Cytometry

  Flow cytometric analysis of human PBMCs with CD86 monoclonal antibody, clone C86/1146 (Cat # MAB13461).

- Western Blot (Cell lysate)

  Western Blot analysis of Daudi cell lysate with CD86 monoclonal antibody, clone C86/1146 (Cat # MAB13461).

Gene Info — CD86

Entrez GeneID	942
Protein Accession#	P42081

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Gene Name	CD86
Gene Alias	B7-2, B70, CD28LG2, LAB72, MGC34413
Gene Description	CD86 molecule
Omim ID	601020
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a type I membrane protein that is a member of the immunoglobulin superfamily. This protein is expressed by antigen-presenting cells, and it is the ligand for two proteins at the cell surface of T cells, CD28 antigen and cytotoxic T-lymphocyte-associated protein 4. Binding of this protein with CD28 antigen is a costimulatory signal for activation of the T-cell. Binding of this protein with cytotoxic T-lymphocyte-associated protein 4 negatively regulates T-cell activation and diminishes the immune response. Alternative splicing results in two transcript variants encoding different isoforms. Additional transcript variants have been described, but their full-length sequences have not been determined. [provided by RefSeq
Other Designations	B-lymphocyte activation antigen B7-2|B7-2 antigen|CD28 antigen ligand 2|CD86 antigen|CD86 antigen (CD28 antigen ligand 2, B7-2 antigen)|CTLA-4 counter-receptor B7.2

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

- Acute Disease
- Arthritis
- Asthma
- Atherosclerosis

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- Bronchiolitis
- Cardiovascular Diseases
- Chronic Disease
- Colorectal Neoplasms
- Coronary Artery Disease
- Diabetes Mellitus
- Disease Progression
- Drug Eruptions
- Edema
- Genetic Predisposition to Disease
- Hepatitis B
- Hepatitis C
- Hypersensitivity
- Infant
- Kidney Failure
- Lung Neoplasms
- Lupus Erythematosus
- Malignant melanoma
- Melanoma
- Multiple Sclerosis
- Papillomavirus Infections
- Pemphigus
- Pulmonary Disease
- Recurrence
- Respiratory Syncytial Virus Infections
- Sarcoidosis

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- Scleroderma
- Urinary Bladder Neoplasms
- Uterine Cervical Neoplasms
- Werner syndrome

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