

## CD86 (Dendritic Cells Maturation Marker) Antibody

Mouse Monoclonal Antibody [Clone BU63]

Catalog No	Format	Size
942-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
942-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
942-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

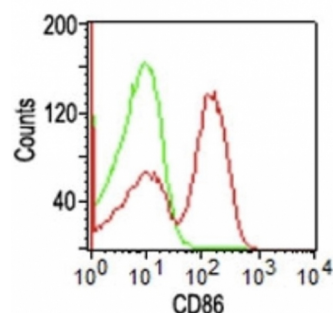
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

### Product Details

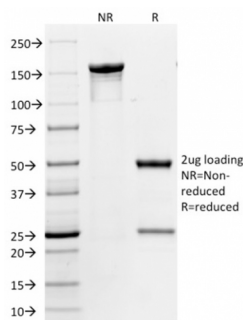
Clone	BU63
Gene Name	CD86
Immunogen	ARH-77 (B-lymphoblastoid cell line)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	70kDa
Cellular Localization	Cell membrane, Cell surface
Species Reactivity	Human
Positive Control	293T or Jurkat cells. Monocytes and dendritic cells.

*\*Optimal dilution for a specific application should be determined.*

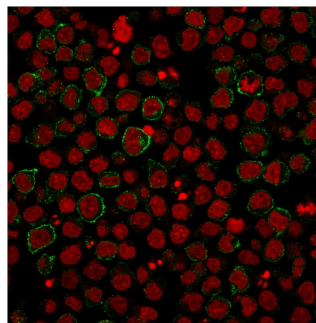
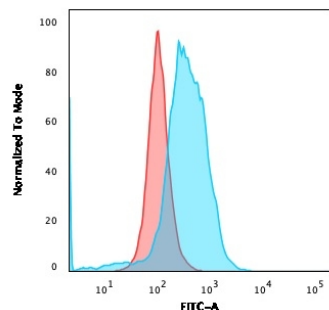
### Product Images for CD86 (Dendritic Cells Maturation Marker) Antibody



Flow cytometric analysis of human peripheral blood mononuclear cell (PBMCs). Red: PE-labeled CD86 Mouse Monoclonal Antibody (BU63); Green: Isotype Control.



SDS-PAGE Analysis of Purified CD86 Mouse Monoclonal Antibody (BU63). Confirmation of Integrity and Purity of Antibody.



Flow Cytometric Analysis of PFA-fixed Ramos cells. CD86 Mouse Monoclonal Antibody (BU63) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).

Immunofluorescence staining of PFA-fixed Ramos cells using CD86 Mouse Monoclonal Antibody (BU63) followed by goat anti-Mouse IgG conjugated to CF488 (green). Nuclei are stained with Reddot.

### Specificity & Comments

Recognizes a protein of 70kDa, which is identified as CD86 (HLDA V; WS Code BP BP072. HLDA V; WS Code A A109. HLDA VI; WS Code BP 95. HLDA VI; WS Code B CD86.9). CD86 is a type I transmembrane glycoprotein and a member of the immunoglobulin superfamily of cell surface receptors. It is expressed at high levels on resting peripheral monocytes and dendritic cells and at very low density on resting B and T lymphocytes. CD86 expression is rapidly upregulated by B cell specific stimuli with peak expression at 18 to 42 hours after stimulation. CD86, along with CD80/B71, is an important accessory molecule in T cell co-stimulation via its interaction with CD28 and CD152/CTLA4. Since CD86 has rapid kinetics of induction, it is believed to be the major CD28 ligand expressed early in the immune response. It is also found on malignant Hodgkin and Reed Sternberg (HRS) cells in Hodgkin's disease.

### Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

### Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

### Research Areas

B Cell Markers, Cardiovascular, Cytokine Signaling, Dendritic Cell Marker, Hematopoietic Stem Cells, Immunology, Infectious Disease, Signal Transduction

### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.