

## Recombinant CD86 (Dendritic Cells Maturation Marker) Antibody

Mouse Monoclonal Antibody [Clone rC86/1146]

Catalog No	Format	Size
942-MSM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
942-MSM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
942-MSM3-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

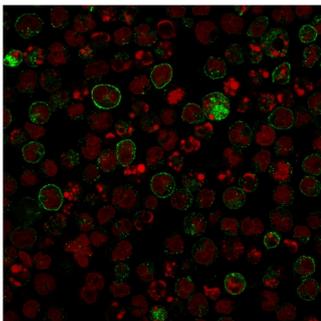
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling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

### Product Details

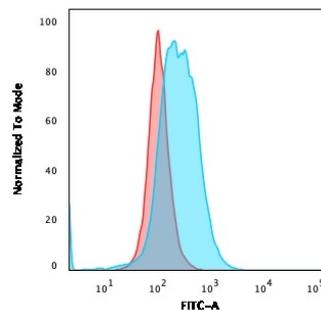
<b>Clone</b>	rC86/1146
<b>Gene Name</b>	CD86
<b>Immunogen</b>	Recombinant human full-length CD86 protein
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG1 / Kappa
<b>Mol. Weight of Antigen</b>	70kDa
<b>Cellular Localization</b>	Cell membrane
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Positive Control</b>	293T or Jukat cells. Monocytes and dendritic cells, activated T, B and natural killer cells in lymph node or tonsil., Raji, Ramos

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

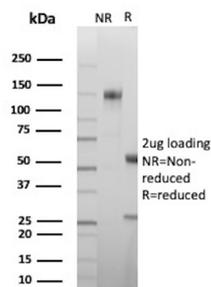
### Product Images for Recombinant CD86 (Dendritic Cells Maturation Marker) Antibody



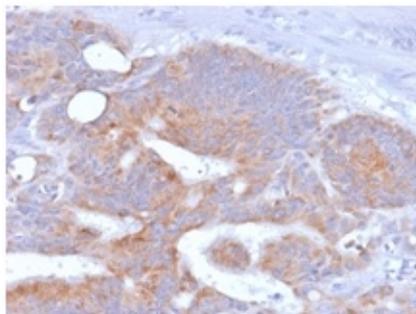
Confocal Immunofluorescence image of Raji cells using CD86 Mouse Recombinant Monoclonal Antibody (rC86/1146) followed by goat anti-Mouse IgG conjugated with CF488 (green). Red Dot is used to label the Nuclei (red).



Flow Cytometric Analysis of PFA-fixed Ramos cells. CD86 Mouse Recombinant Monoclonal Antibody (rC86/1146). followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



SDS-PAGE Analysis of Purified T-lymphocyte activation antigen CD86 Recombinant Mouse Monoclonal Antibody (rC86/1146). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human Colon stained with CD86 Mouse Recombinant Monoclonal Antibody (rC86/1146).

### Specificity & Comments

Recognizes a protein of 70kDa, which is identified as CD86. 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 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.

### 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.

### 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, Immuno Oncology, Immunology, Infectious Disease, Signal Transduction