

## Recombinant CD86 (Dendritic Cells Maturation Marker) Antibody

Mouse Monoclonal Antibody [Clone rC86/6872]

Catalog No	Format	Size
942-MSM22-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
942-MSM22-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
942-MSM22-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

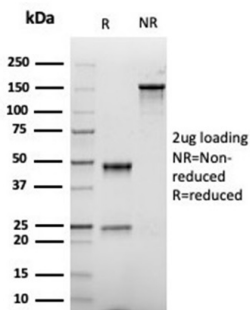
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

### Product Details

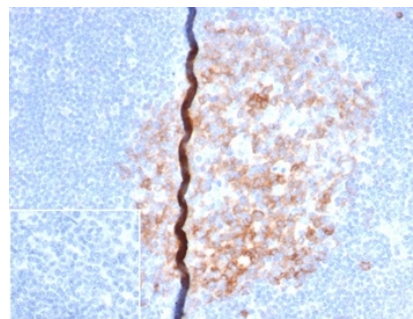
<b>Clone</b>	rC86/6872
<b>Gene Name</b>	CD86
<b>Immunogen</b>	Recombinant fragment (around aa 66-195) of human CD86 protein (exact sequence is proprietary)
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG1 / Kappa
<b>Mol. Weight of Antigen</b>	70kDa
<b>Cellular Localization</b>	Cyanelle, Plastid
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	293T or Jurkat cells. Monocytes and dendritic cells, activated T, B and natural killer cells in lymph node or tonsil.

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

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



SDS-PAGE Analysis of Purified CD86 Rabbit Recombinant Monoclonal Antibody (rC86/6872). Confirmation of Integrity and Purity of Antibody.



IHC analysis of formalin-fixed, paraffin-embedded human lymph node. Staining of cell surface using rC86/6872 at 2ug/ml in PBS for 30min RT. Inset: PBS instead of primary antibody; secondary only negative control.

### **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 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.

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### **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.

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### **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.

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### **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.

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### **Research Areas**

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

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