

## CD86 (Dendritic Cells Maturation Marker) Antibody

Mouse Monoclonal Antibody [Clone C86/3711]

Catalog No	Format	Size
942-MSM11-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
942-MSM11-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
942-MSM11-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

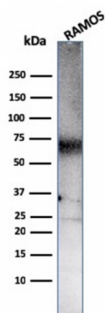
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

### Product Details

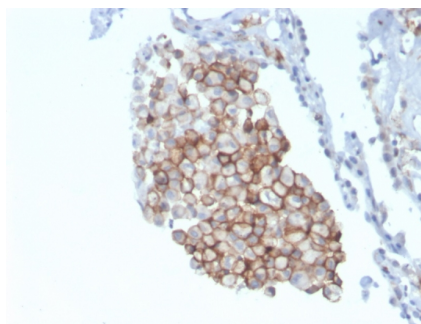
<b>Clone</b>	C86/3711
<b>Gene Name</b>	CD86
<b>Immunogen</b>	Recombinant fragment (around aa 66-195) of human CD86 protein (exact sequence is proprietary)
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG2b / Kappa
<b>Mol. Weight of Antigen</b>	70kDa
<b>Cellular Localization</b>	Cell membrane, Peroxisome
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	293T or Jurkat, Raji 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.

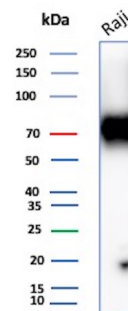
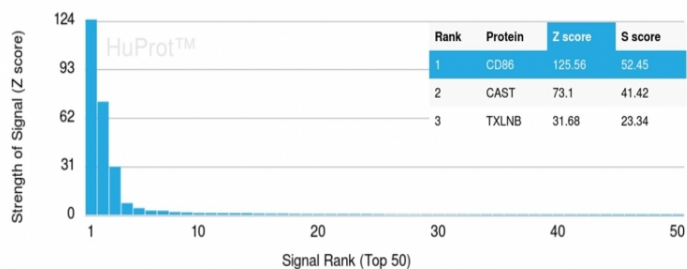
### Product Images for CD86 (Dendritic Cells Maturation Marker) Antibody



Western blot analysis of Ramos cell lysate using CD86-Monospecific Mouse Monoclonal Antibody (C86/3711).

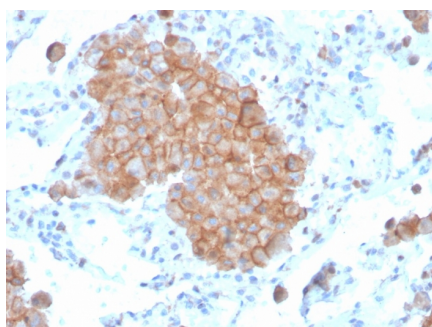


Formalin-fixed, paraffin-embedded human lung carcinoma stained with CD86-Monospecific Mouse Monoclonal Antibody (C86/3711).



Western Blot Analysis of Raji cell lysate using CD86 Mouse Monoclonal Antibody (C86/3711).

Analysis of Protein Array containing more than 19,000 full-length human proteins using CD86-Monospecific Mouse Monoclonal Antibody (C86/3711) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Formalin-fixed, paraffin-embedded human lung carcinoma stained with CD86-Monospecific Mouse Monoclonal Antibody (C86/3711).

### 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.

### 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

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