

Datasheet for ABIN6941142

**anti-CD86 antibody**

## 4 Images

[Go to Product page](#)

## Overview

|              |   |
|--------------|---|
| Quantity:    | 100 µg  |
| Target:      | CD86  |
| Reactivity:  | Human, Mouse, Rat   |
| Host:        | Mouse   |
| Clonality:   | Monoclonal  |
| Conjugate:   | This CD86 antibody is un-conjugated   |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Blocking Peptide (BP), Staining Methods (StM) |

## Product Details

|              |  |
|--------------|--|
| Immunogen:   | Recombinant human full-length CD86 protein   |
| Clone:       | C86-1146   |
| Isotype:     | IgG1 kappa   |
| Specificity: | Recognizes a protein of 70 kDa, 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. |

## Product Details

Purification: Purified by Protein A/G

## Target Details

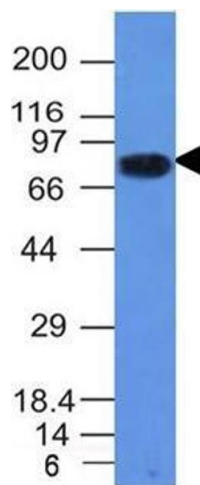
|                   |  |
|-------------------|--|
| Target:           | CD86   |
| Alternative Name: | CD86 ( <a href="#">CD86 Products</a> )   |
| Molecular Weight: | 70kDa  |
| Gene ID:          | 942  |
| UniProt:          | <a href="#">P42081</a>   |
| Pathways:         | <a href="#">TCR Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Activation of Innate immune Response</a> , <a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Activated T Cell Proliferation</a> |

## Application Details

|                    |  |
|--------------------|--|
| Application Notes: | <p>Positive Control: 293T or Jukat cells. Monocytes and dendritic cells, activated T, B and natural killer cells in lymph node or tonsil.</p> <p>Known Application: Immunofluorescence (1-2 µg/mL), Western Blot (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (2-4 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Tris buffer with 1 mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.</p> |
| Restrictions:      | For Research Use only  |

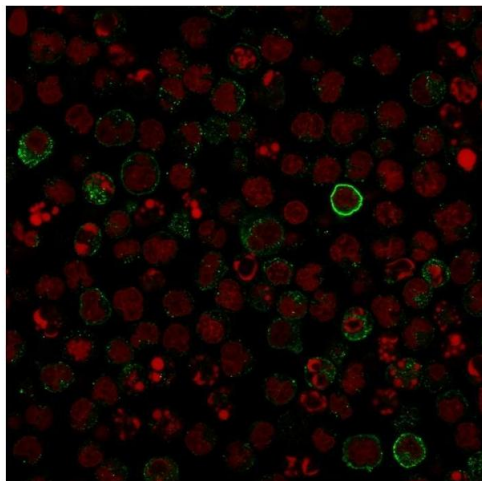
## Handling

|                    |   |
|--------------------|---|
| Concentration:     | 200 µg/mL   |
| Buffer:            | 10 mM PBS with 0.05 % BSA & 0.05 % azide.   |
| Preservative:      | Sodium azide  |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                                      |
| Storage:           | 4 °C,-80 °C   |
| Storage Comment:   | 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. |



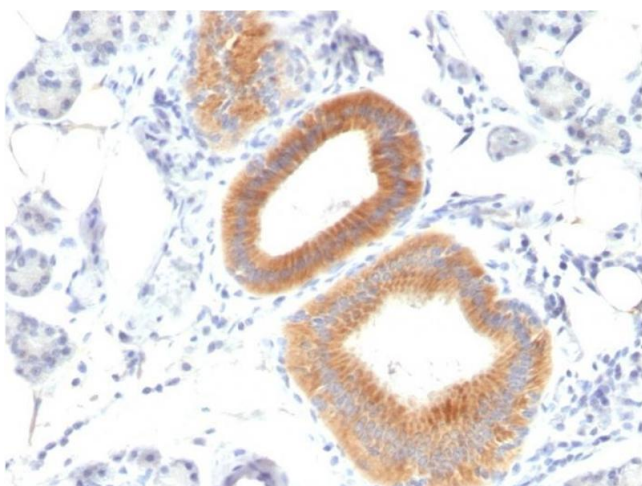
#### Western Blotting

**Image 1.** Western Blot Analysis of Daudi cell lysate using CD86 Mouse Monoclonal Antibody (C86/1146).



#### Immunofluorescence

**Image 2.** Confocal Immunofluorescence image of Raji cells using CD86 Mouse Monoclonal Antibody (C86/1146) followed by goat anti-Mouse IgG conjugated with CF488 (green). Red Dot is used to label the Nuclei (red).



#### Immunohistochemistry

**Image 3.** Formalin-fixed, paraffin-embedded human Melanoma stained with CD86 Mouse Monoclonal Antibody (C86/1146).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6941142.