

Datasheet for ABIN6941144

Recombinant anti-CD86 antibody

4 Images

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Overview

Quantity:	100 µg
Target:	CD86
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This CD86 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunohistochemistry (IHC), Immunofluorescence (IF), Blocking Peptide (BP), Staining Methods (StM)

Product Details

Immunogen:	Recombinant human full-length CD86 protein
Clone:	RC86-1146
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

Product Details

expressed early in the immune response. It is also found on malignant Hodgkin and Reed Sternberg (HRS) cells in Hodgkin's disease.

Purification: Purified by Protein A/G

Target Details

Target: CD86

Alternative Name: CD86 ([CD86 Products](#))

Molecular Weight: 70kDa

Gene ID: 942

UniProt: [P42081](#)

Pathways: [TCR Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Activation of Innate immune Response](#), [Cellular Response to Molecule of Bacterial Origin](#), [Positive Regulation of Immune Effector Process](#), [Activated T Cell Proliferation](#)

Application Details

Application Notes: Positive Control: Ramos, Raji, 293T or Jukat cells. Monocytes and dendritic cells, activated T, B and natural killer cells in lymph node or tonsil.
Known Application: Flow Cytometry (1-2 µg/million cells), Immunofluorescence (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.

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.

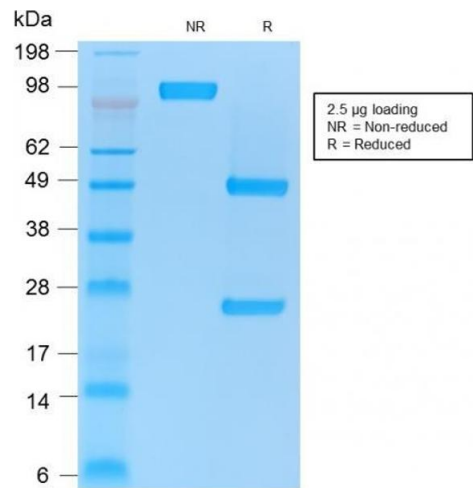
Storage: 4 °C,-80 °C

Handling

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.

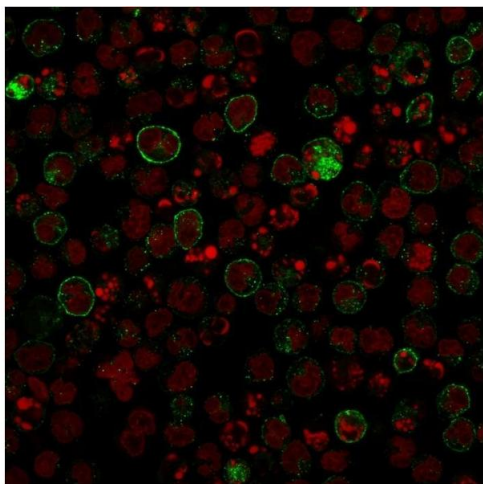
Expiry Date: 24 months

Images



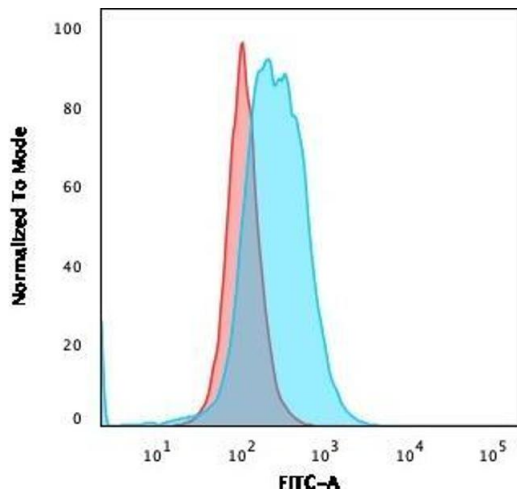
SDS-PAGE

Image 1. SDS-PAGE Analysis Purified CD86 Mouse Recombinant Monoclonal Antibody (rC86/1146). Confirmation of Purity and Integrity of Antibody.



Immunofluorescence

Image 2. 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 Cytometry

Image 3. 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).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6941144.