CD86 Rabbit mAb

Catalog No: #48763

Package Size: #48763-1 50ul #48763-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	CD86 Rabbit mAb
Clone No.	SJ20-00
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP, FC
Species Reactivity	Hu Ms
Immunogen Description	Synthetic peptide within Human CD86 aa 1-50 / 329.
Other Names	Activation B7-2 antigen 3 antibody Activation B7-2 antigen antibody B-lymphocyte activation antigen B7-2 2 antibody B-lymphocyte activation antigen B7-2 antibody B7 2 antibody B7 antibody B7-2 antibody B7.2 antibody B70 antibody B72 antigen antibody BU63 antibody CD28 antigen ligand 2 2 antibody CD28 antigen ligand 2 antibody Cd28l2 antibody CD28LG2 antibody CD86 antibody CD86 antigen (CD28 antigen ligand 2, B7-2 antigen) 1, 2 antibody CD86 antigen (CD28 antigen ligand 2, B7-2 antigen) antibody CD86 antigen antibody CD86 molecule antibody CD86_HUMAN antibody CLS1 antibody CTLA-4 counter-receptor B7.2 2, 3 antibody CTLA-4 counter-receptor B7.2 antibody Early T-cell costimulatory molecule 1 antibody ETC-1 antibody FUN 1 antibody FUN-1 antibody LAB72 antibody Ly-58 antibody Ly58 antibody MB7 antibody MB7-2 antibody Membrane glycoprotein antibody MGC34413 antibody T-lymphocyte activation antigen CD86 antibody TS/A-2 antibody
Accession No.	Swiss-Prot#:P42081
Calculated MW	38 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

WB: 1:500-1:2,000

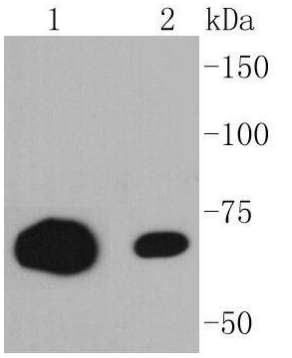
IHC: 1:50-1:200

ICC: 1:50-1:200

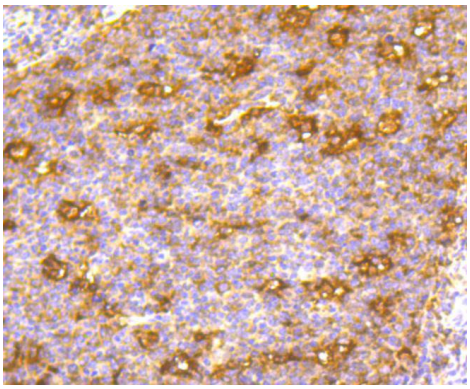
FC: 1:50-1:100

IP: Use at an assay dependent concentration.

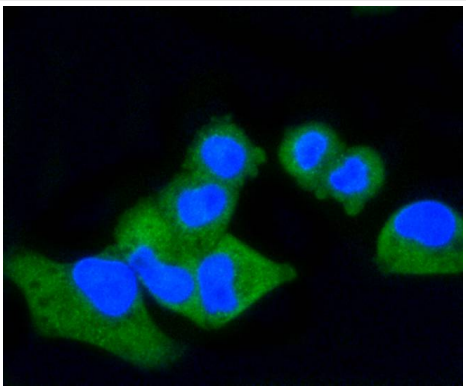
Images



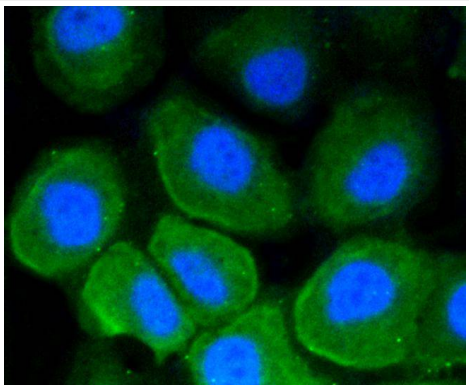
Western blot analysis of CD86 on different lysates using anti-CD86 antibody at 1/1,000 dilution. Positive control:
Lane 1: Raji
Lane 2: Jurkat



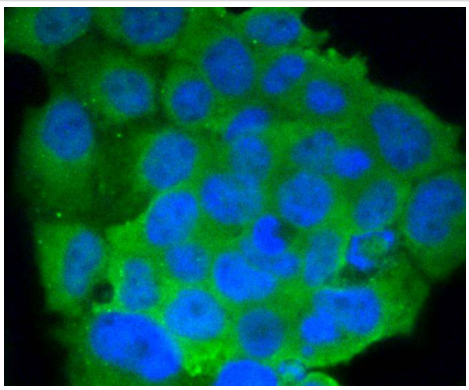
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-CD86 antibody. Counter stained with hematoxylin.



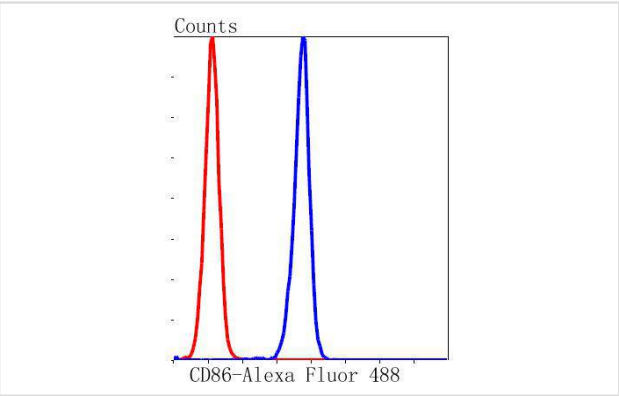
ICC staining CD86 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining CD86 in HUVEC cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining CD86 in JAR cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of K562 cells with CD86 antibody at 1/50 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Background

T cell proliferation and lymphokine production are triggered by occupation of the TCR by antigen, followed by a costimulatory signal that is delivered by a ligand expressed on antigen presenting cells. The B7-related cell surface proteins B7-1 (CD80) and B7-2 (CD86) expressed on antigen presenting cells bind the homologous T cell receptors CD28 and CTLA-4 (cytotoxic T lymphocyte-associated protein-4) and trigger costimulatory signals for optimal T cell activation. CTLA-4 shares 31% overall amino acid identity with CD28, and it has been proposed that CD28 and CTLA-4 are functionally redundant. SLAM is a novel receptor on T cells that, when engaged, potentiates T cell expansion in a CD28-independent manner. B7, also designated BB1, is another ligand or counterreceptor for CD28 and CTLA-4 that is expressed on the antigen-presenting cell.

References

1. Li Y & Ding J Optimized generation of survivin-specific cytotoxic T lymphocytes against lung cancer. Mol Med Rep 12:2169-74 (2015).
2. Tarhini AA et al. Immune monitoring of the circulation and the tumor microenvironment in patients with regionally advanced melanoma receiving neoadjuvant ipilimumab. PLoS One 9:e87705 (2014).

Published Papers

el at., Preliminary Study on the Antigen-Removal from Extracellular Matrix via Different Decellularization. In Tissue Eng Part C Methods on 2022 Jun by Huan Wu, Guangfu Yin, et al..PMID: 35596569, , (2022)

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el at., Human Umbilical Cord Mesenchymal Stem Cells Improve the Necrosis and Osteocyte Apoptosis in Glucocorticoid-Induced Osteonecrosis of the Femoral Head Model through Reducing the Macrophage Polarization. In Int J Stem Cells on 2022 May 30 by Gang Tian, Chuanjie Liu, et al..PMID:34965999, , (2022)

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Reducing the Macrophage Polarization. In Int J Stem Cells on 2021 Dec 31 by Gang Tian, Chuanjie Liu,al..PMID:34965999, , (2021)

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.