

36-3577: Anti-CD86 (Dendritic Cells Maturation Marker) Monoclonal Antibody(Clone: rC86/1146)

Clonality :	Monoclonal
Clone Name :	rC86/1146
Application :	FACS, IF, IHC
Reactivity :	Human, Mouse, Rat
Gene :	CD86
Gene ID :	942
Uniprot ID :	P42081
Alternative Name :	Activation B7-2 antigen; B lymphocyte activation antigen B72; CD28 antigen ligand 2; CD28LG2; CLS1; CTLA-4 counter-receptor B7.2; Early T-cell co-stimulatory molecule 1; ETC-1; FUN-1; LAB72; Ly-58; MB7-2; TS/A-2
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Recombinant human full-length CD86 protein

Description

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 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 Info

Amount :	20 µg / 100 µg
Content :	200 µg/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 condition :	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.

Application Note

Flow Cytometry (1-2Âµg/million cells);Immunofluorescence (1-2Âµg/ml); Immunohistochemistry (Formalin-fixed) (2-4Âµg/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris buffer with 1mM 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.

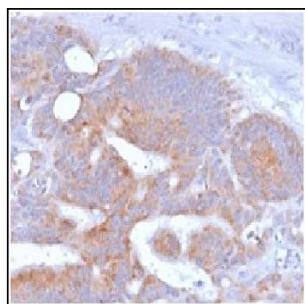


Fig. 1: Formalin-fixed, paraffin-embedded human Colon stained with CD86 Mouse Recombinant Monoclonal Antibody (rC86/1146).

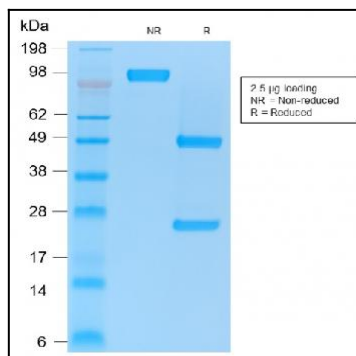


Fig. 2: SDS-PAGE Analysis Purified CD86 Mouse Recombinant Monoclonal Antibody (rC86/1146). Confirmation of Purity and Integrity of Antibody.

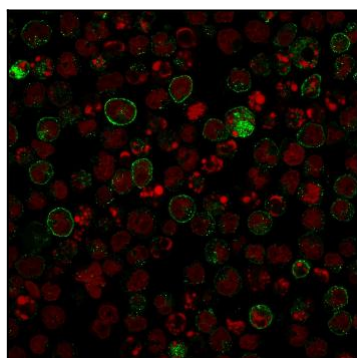


Fig. 3: Confocal Immunofluorescence image of Raji cells using CD86 Mouse Recombinant Monoclonal Antibody (rC86/1146) followed by goat anti-Mouse IgG conjugated with CF488 (green). Red Dot is used to label the Nuclei (red).

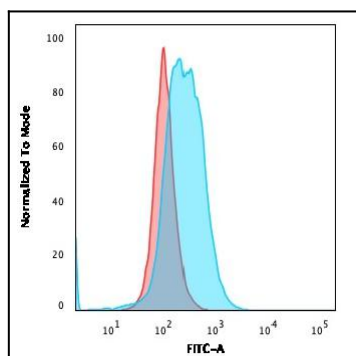


Fig. 4: Flow Cytometric Analysis of PFA-fixed Ramos cells. CD86 Mouse Recombinant Monoclonal Antibody (rC86/1146). followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).