

CD86 Antibody PE Conjugate [clone BU63] (V2056PE)

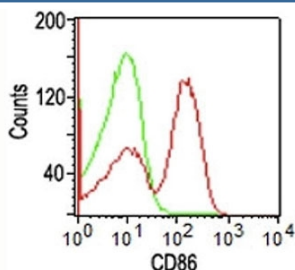
Catalog No.	Formulation	Size
V2056PE-100T	500 ul at 0.1 mg/ml with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 Tests



Citations (11)

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Species Reactivity	Human
Format	PE Conjugate
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	BU63
Purity	Protein G affinity chromatography
Gene ID	942 (Human)
Localization	Cell surface
Applications	Flow Cytometry : 5ul/test/million cells Immunofluorescence : 1:50-1:100
Limitations	This CD86 antibody PE conjugate is available for research use only.



FACS staining of human PBMCs using [unlabeled CD86 antibody \(BU63\)](#).

Description

This antibody recognizes a protein of 70kDa, which is identified as CD86 (HLDA V; WS Code BP BP072. HLDA V; WS Code A A109. HLDA VI; WS Code BP 95. HLDA VI; WS Code B CD86.9). 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.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the CD86 antibody PE conjugate to be titrated up or down for optimal performance.

Immunogen

ARH-77 (B-lymphoblastoid cell line) was used as the immunogen for this CD86 antibody PE conjugate.

Storage

Store the CD86 antibody PE conjugate at 2-8°C. The conjugate is light-sensitive, protect from light.

Alternate Names

Activation B7-2 antigen; B lymphocyte activation antigen B72; CD28 antigen ligand 2; CD28LG2; CLS1; CTLA-4 counter-receptor B7.2; Early T-cell costimulatory molecule 1; ETC-1; FUN-1; LAB72; Ly-58; MB7-2; TS/A-2, CD86 antibody

References (4)