

anti-human CD86

Monoclonal Antibody BU63 to CD86 (Human)

Cat-No: **21480861**

100 µg in 100 µl

Clone: BU63

Specificity: The antibody BU63 reacts with CD86 (B7-2), a 70 kDa type I transmembrane glycoprotein of immunoglobulin supergene family, expressed on professional antigen-presenting cells, such as dendritic cells, macrophages or activated B lymphocytes.

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

Isotype subclass: Mouse IgG1

Form: Purified by protein A chromatography.

Physical state: Liquid

Buffer/Additives/Preservative: PBS containing 0.09 % sodium azide (pH 7.2).

Expiration date: The reagent is stable until the expiry date stated on the vial label.

Storage conditions: Aliquot and store at 4°C. For long-term aliquot and store at -20°C. Avoid freeze/thaw cycles.

Application: Flow Cytometry, Immunoprecipitation, Western Blotting, Immunohistochemistry (frozen sections)

References:

*Mauri D and others: J Immunol. 1995 Jul 1;155(1):118-27

*Leukocyte Typing V., Schlossman S. et al. (Eds.), Oxford University Press (1995).

*Leukocyte Typing VI., Kishimoto T. et al. (Eds.), Garland Publishing Inc. (1997).

*Giguère JF and others: J Virol. 2004 Jun;78(12):6222-32.

Background: CD80 (B7-1) and **CD86** (B7-2) are ligands of T cell critical costimulatory molecule CD28 and of an inhibitory receptor CTLA-4 (CD152). The both B7 molecules are expressed on professional antigen-presenting cells and are essential for T cell activation, the both molecules can also substitute for each other in this process. The question what are the differences in CD80 and CD86 competency has not been fully elucidated yet; there are still conflicts in results about their respective roles in initiation or sustaining of the T cell immune response.

Warning: Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink, and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

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