

# Anti-CD86 Antibody

Catalog # AP95536

## Product Information

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|-------------------|--------------------------|
| Application       | FC, IF/IC                |
| Primary Accession | <a href="#">P42081</a>   |
| Reactivity        | Human                    |
| Host              | Mouse                    |
| Clonality         | Monoclonal (clone: BU63) |
| Calculated MW     | 37682                    |

## Additional Information

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|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID            | 942                                                                                                                                     |
| Other Names        | CD28LG2; T-lymphocyte activation antigen CD86; Activation B7-2 antigen; B70; BU63; CTLA-4 counter-receptor B7.2; FUN-1; CD antigen CD86 |
| Target/Specificity | Native purified human CD86.                                                                                                             |
| Dilution           | FC~~FC (1/500 - 1/2000) IF/IC~~N/A                                                                                                      |
| Format             | Mouse IgG1 kappa. Liquid in PBS, pH 7.3, and 0.02% sodium azide.                                                                        |
| Storage            | Store at -20 °C.Stable for 12 months from date of receipt                                                                               |

## Protein Information

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| Name     | CD86                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Synonyms | CD28LG2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Function | Costimulatory molecule that belongs to the immunoglobulin superfamily that plays an important role in T-lymphocyte activation (PubMed: <a href="#">12196291</a> , PubMed: <a href="#">7694363</a> ). Acts as the primary auxiliary signal augmenting the MHC/TCR signal in naive T-cells by acting as a ligand for the CD28 receptor which is constitutively expressed on the cell surface of T-cells (PubMed: <a href="#">12196291</a> , PubMed: <a href="#">7694363</a> ). May play a critical role in the early events of T-cell activation and costimulation of naive T-cells, such as deciding between immunity and anergy that is made by T-cells within 24 hours after activation (PubMed: <a href="#">7527824</a> ). Also involved in the regulation of B cells function, plays a role in regulating the level of IgG(1) produced. Upon CD40 engagement, activates NF-kappa-B signaling pathway via phospholipase C and protein kinase C activation (By similarity). Also acts as an inhibitor of T-cell activation by acting as a ligand for CTLA4, a decoy receptor, thereby blocking CD28-mediated T-cell priming (PubMed: <a href="#">11279501</a> ). |

**Cellular Location**

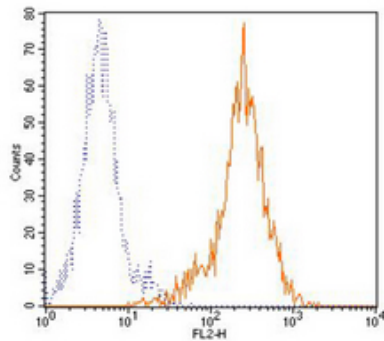
Cell membrane; Single-pass type I membrane protein

**Tissue Location**

Expressed on the surfaces of antigen-presenting cells.

**Images**

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Flow cytometric analysis of Daudi cells using Anti-CD86 Antibody, followed by anti-mouse IgG PE.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.