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CD86 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP16101b

Specification

CD86 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession P42081

CD86 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 942

Other Names
T-lymphocyte activation antigen CD86, Activation B7-2 antigen, B70, BU63, CTLA-4 counter-receptor B72, FUN-1, CD86, CD86, CD28LG2

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CD86 Antibody (C-term) Blocking Peptide - Protein Information

Name CD86

Synonyms CD28LG2

Function
Receptor involved in the costimulatory signal essential for T-lymphocyte proliferation and interleukin-2 production, by binding CD28 or CTLA-4. 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:7527824). 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).

Cellular Location
Cell membrane; Single-pass type I membrane protein

Tissue Location
Expressed by activated B-lymphocytes and monocytes.

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CD86 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

CD86 Antibody (C-term) Blocking Peptide - Images

CD86 Antibody (C-term) Blocking Peptide - Background

This gene encodes a type I membrane protein that is amember of the immunoglobulin superfamily. This protein is expressedby antigen-presenting cells, and it is the ligand for two proteinsat the cell surface of T cells, CD28 antigen and cytotoxicT-lymphocyte-associated protein 4. Binding of this protein withCD28 antigen is a costimulatory signal for activation of theT-cell. Binding of this protein with cytotoxicT-lymphocyte-associated protein 4 negatively regulates T-cellactivation and diminishes the immune response. Alternative splicingresults in two transcript variants encoding different isoforms.Additional transcript variants have been described, but theirfull-length sequences have not been determined. [provided byRefSeq].

CD86 Antibody (C-term) Blocking Peptide - References

Liu, Y., et al. Hum. Immunol. 71(11):1141-1146(2010)Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Grujic, M., et al. J. Immunol. 185(3):1730-1743(2010)Dalla-Costa, R., et al. Hum. Immunol. 71(8):809-817(2010)Schuurhof, A., et al. Pediatr. Pulmonol. 45(6):608-613(2010)