



CD86 mouse mAb

Catalog No	YP-mAb-14107
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	CD86 CD28LG2
Immunogen	Synthesized peptide derived from human CD86
Specificity	This antibody detects endogenous levels of Human CD86
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, mouse,IgG
Purification	The antibody was affinity-purified from mouse serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CD86;Activation B7 2 antigen;Activation B7-2 antigen;B7 2;B70;CD86 CD28LG2; T-lymphocyte activation antigen CD86 (Activation B7-2 antigen;BU63;CTLA-4 counter-receptor B7.2;FUN-1;CD antigen CD86)
Observed Band	65 kDa
Calculated Molecular Weight	329 aa, 38 kDa
Cell Pathway	Cell membrane; Single-pass type I membrane protein.
Tissue Specificity	Expressed by activated B-lymphocytes and monocytes.
Function	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. Isoform 2 interferes with the formation of CD86 clusters, and thus acts as a negative regulator of T-cell activation.,online information:CD86 entry,PTM:Polyubiquitinated; which is promoted by MARCH8 and results in endocytosis and lysosomal degradation.,similarity:Contains 1 Ig-like C2-type (immunoglobulin-like) domain.,similarity:Contains 1 Ig-like V-type (immunoglobulin-like) domain.,subunit:Interacts with MARCH8. Interacts with human herpesvirus 8 MIR2 protein (Probable). Interacts with adenovirus



subgroup B fiber proteins and acts as

Background

This gene encodes a type I membrane protein that is a member of the immunoglobulin superfamily. This protein is expressed by antigen-presenting cells, and it is the ligand for two proteins at the cell surface of T cells, CD28 antigen and cytotoxic T-lymphocyte-associated protein 4. Binding of this protein with CD28 antigen is a costimulatory signal for activation of the T-cell. Binding of this protein with cytotoxic T-lymphocyte-associated protein 4 negatively regulates T-cell activation and diminishes the immune response. Alternative splicing results in several transcript variants encoding different isoforms.[provided by RefSeq, May 2011],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



