

## Anti-CD86 Antibody (5D537)

### Product Details

Ig Type:	Mouse IgG2b
Reactivity:	Rat
Conjugation:	Unconjugated
Clone:	5D537
Purification:	Protein A

### Applications

Verified Activity:	Flow cytometric analysis of rat CD86 expression on LPS-stimulated SD rat splenocytes. Cells were stained with purified anti-rat CD86, then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.
Application:	ELISA(Det),FCM
Recommended	FCM: 1:25-1:100; ELISA(Det): 1:1000-1:10000

### Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen:	Recombinant Protein: Rat CD86 / B7-2 Protein (TMPY-02016)
Antigen Species:	Rat
Synonyms:	LAB72;B7.2;B7-2;CD28LG2;B70;CD86 antigen
Biology Area:	Cancer Drug Targets

### Research Background

CD86, also known as B-lymphocyte activation antigen B7-2 (referred to as B70), is a member of the cell surface immunoglobulin superfamily. B7-2 exists predominantly as a monomer on cell surfaces and interacts with two co-stimulatory receptors CD28 and cytotoxic T lymphocyte-associated antigen 4 (CTLA-4) expressed on T cells, and thus induces the signal pathways which regulate T cell activation and tolerance, cytokine production, and the generation of CTL. It is indicated that contacts between B and T helper cells mediated by CD86 encourage signals for the proliferation and IgG secretion of normal B cells and B cell lymphomas. A recent study has revealed that CD86 also promotes the generation of a mature APC repertoire and promotes APC function and survival. CD86 has an important role in chronic hemodialysis, allergic pulmonary inflammation, arthritis, and antiviral responses, and thus is regarded as a promising candidate for immune therapy.

Cancer Immunotherapy  
 Co-inhibitory Immune Checkpoint  
 Targets  
 Immune Checkpoint  
 Immune Checkpoint Detection: Antibodies  
 Immune Checkpoint Detection: ELISA  
 Antibodies  
 Immune Checkpoint Detection: FCM  
 Antibodies  
 Immune Checkpoint Detection: IP  
 Antibodies  
 Immune Checkpoint Detection: WB  
 Antibodies  
 Immune Checkpoint  
 Proteins  
 Immune Checkpoint  
 Targets  
 Immunotherapy  
 Targeted Therapy

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