

Anti-CD86 Antibody-PE (5D537)

Product Details

Ig Type:	Mouse IgG2b
Reactivity:	Rat
Conjugation:	PE
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 PE-conjugated anti-rat CD86. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.
Application:	FCM
Recommended	10 µl/Test, 0.1 mg/ml

Properties

Stability & Storage:	Store at 2°C-8°C for 12 months, do not freeze. Keep away from direct sunlight. Sodium azide is toxic to cells and should be disposed of properly. Flush with large volumes of water during disposal.
Shipping:	Shipping with blue ice.

Antigen Details

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