

RPES8517

Product Information

Product SKU:	RPES8517	Expression Host:	Mammalian	Size:	20µg
Tag:	C-Fc	Reactivity:	Rat	Accession:	O35531

Additional Information

Calculated MW:	49.3 kDa	Observed MW:	60-80 kDa
Sequence:	Val29-Ile250		

Protein Information

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.

Synonyms: Activation B7-2 antigen 3, Activation B7-2 antigen, B-lymphocyte activation antigen B7-2 2, B-lymphocyte activation antigen B7-2, B7 2, B7, B7-2, B7.2, B70, B72 antigen, BU63, CD28 antigen ligand 2 2, CD28 antigen ligand 2, Cd28l2, CD28LG2, CD86, CD86 antigen, CD86 antigen, CD86 molecule, CD86, CLS1, CTLA-4 counter-receptor B7.2 2, 3, CTLA-4 counter-receptor B7.2, Early T-cell costimulatory molecule 1, ETC-1, FUN 1, FUN-1, LAB72, Ly-58, Ly58, MB7, MB7-2, Membrane glycoprotein, MGC34413, T-lymphocyte activation antigen CD86, TS/A-2

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Endotoxin:	< 1.0 EU/mg of the protein as determined by the LAL method
Formulation:	Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Purity:	> 90% as determined by reducing SDS-PAGE.
Bio-Activity:	Not validated for activity
Storage:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.