



Mouse Monoclonal Antibody to CD86

Catalogue Number	sAP-0459
Target Molecule	Name: CD86 Aliases: B70; B7-2; LAB72; CD28LG2; MGC34413; CD86 MW: 52kDa Entrez Gene ID: 942
Description	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 two transcript variants encoding different isoforms. Additional transcript variants have been described, but their full-length sequences have not been determined. Tissue specificity: Expressed by activated B-lymphocytes and monocytes.
Immunogen	Purified recombinant fragment of human CD86 expressed in E. Coli.
Recombinant Species	Human
Clone	MM1B3;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Clin Exp Allergy. 2009 Dec;39(12):1852-6. ; 2. Am J Hum Genet. 2009 Nov;85(5):628-42. ; 3. Immunology. 2009 Nov;128(3):334-41.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**