

Basic Information

Product Name	Anti-B7-2/CD86 Antibody (Clone#OTI11C8)
Gene Name	CD86
Source	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Species Reactivity	human
Tested Application	FCM, WB
Contents	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Immunogen	Full length human recombinant protein of human CD86 (NP_787058) produced in HEK293T cell.
Concentration	500 ug/ml
Purification	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Observed MW	38.1 kDa
Dilution Ratios	Western blot (WB): 1:500~1000 Flow cytometry (FCM):1:100

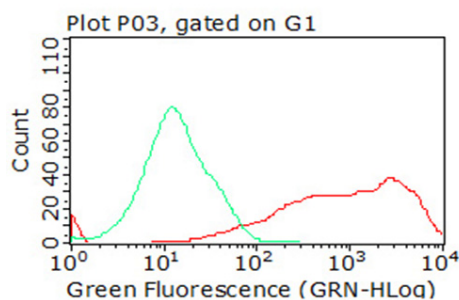
Storage

Stable for 12 months from date of receipt. Store at -20°C as received.

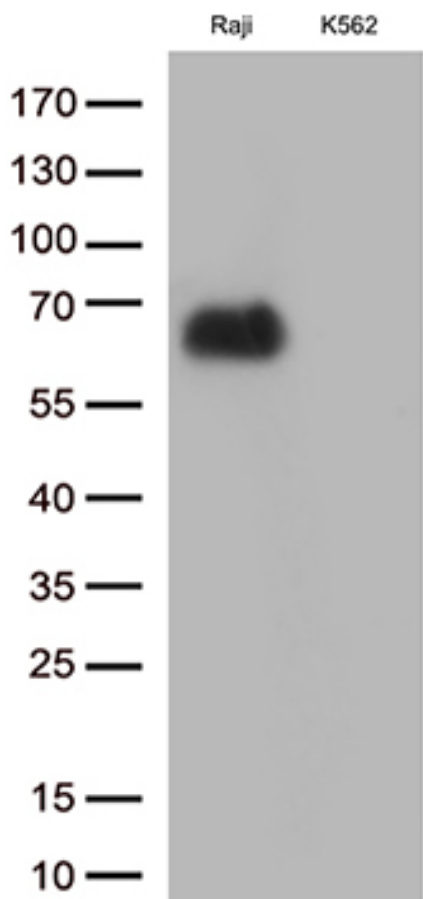
Background Information

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]

Selected Validation Data



Flow cytometric analysis of living 293T cells transfected with CD86 overexpression plasmid (Red) using anti-CD86 antibody. Cells incubated with a non-specific antibody (Green) were used as isotype control (1:100).



Western blot analysis of extracts (35ug) from 2 cell lines lysates by using anti-CD86 monoclonal antibody (1:500).