

## Basic Information

Product Name	Anti-B7-2/CD86 Antibody	
Gene Name	CD86	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	human	
Tested Application	WB, ICC/IF, FCM, ELISA	
Contents	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg/ml BSA and 50% glycerol.	
Immunogen	E.coli-derived human CD86 recombinant protein (Position: S51-E129).	
Concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	60-80 kDa	
Dilution Ratios	Western blot (WB): 1:500-2000 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-400 Flow Cytometry (Fixed): 1:50-200 Enzyme linked immunosorbent assay (ELISA): 1:100-1000	

## Storage

12 months from date of receipt, -20°C as supplied.

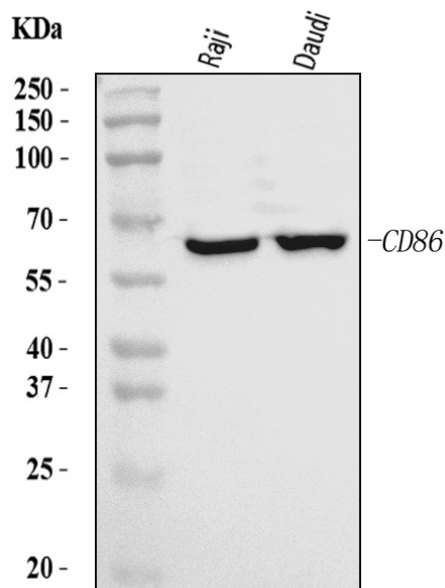
## Background Information

Cluster of Differentiation 86 (also known as CD86 and B7-2) is a protein expressed on antigen-presenting cells that provides costimulatory signals necessary for T cell activation and survival. The CD86 gene encodes a type I membrane protein that is a member of the immunoglobulin superfamily. Using fluorescence in situ hybridization mapping, the CD86, like CD80, was mapped to human 3q21. The antigen presentation coactivators B71 and B72, which are important in other immune-mediated thyroid diseases, are important for lymphocytic infiltration and the immune response against thyroid carcinoma.

## Reference

Anti-B7-2/CD86 Antibody 被引用在4文献中。

## Selected Validation Data

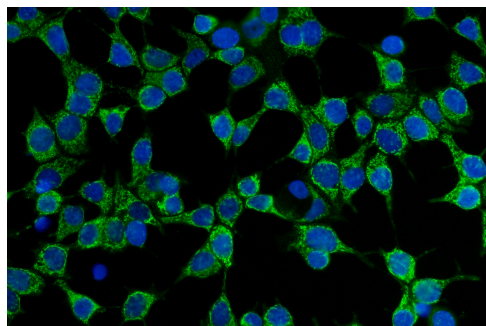


Western blot analysis of B7-2/CD86 using anti-B7-2/CD86 antibody (A00220-3). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

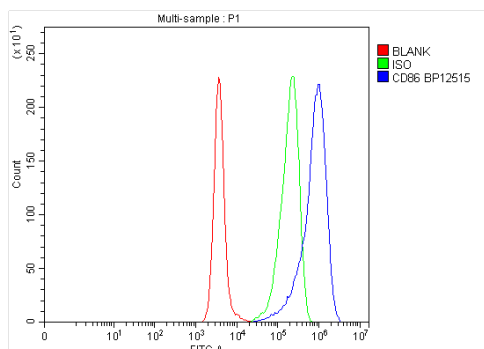
Lane 1: Raji whole cell lysates,

Lane 2: Daudi whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-B7-2/CD86 antigen affinity purified polyclonal antibody (A00220-3) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for B7-2/CD86 at approximately 60-80 kDa. The expected band size for B7-2/CD86 is at 38 kDa.



IF analysis of B7-2/CD86 using anti-B7-2/CD86 antibody (A00220-3). B7-2/CD86 was detected in an immunocytochemical section of MCF-7 cells. The section was incubated with rabbit anti-B7-2/CD86 Antibody (A00220-3) at a dilution of 1:100. DyLight®488 Conjugated Goat Anti-Rabbit IgG (Green) (Catalog # BA1127) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).



Flow Cytometry analysis of Daudi cells using anti-B7-2/CD86 antibody (A00220-3).

Overlay histogram showing Daudi cells stained with A00220-3 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-B7-2/CD86 Antibody (A00220-3) at 1:100 dilution for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and

Product datasheet

## Anti-B7-2/CD86 Antibody

Catalog Number: **A00220-3**



antibody and ELISA experts

**BOSTER BIOLOGICAL TECHNOLOGY**

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secondary antibody (Red line) was used as a blank control.