Catalog No. BN41631R

Rabbit Anti-CD86 Polyclonal Antibody

DATASHEET

Host: Rabbit

Target Protein:CD86

IR: Immunogen Range:140-175/313

Clonality: Polyclonal

Isotype: IgG

Entrez Gene:56822

Swiss Prot:O35531

Source:KLH conjugated synthetic peptide derived from the middle of rat CD86:140-175/313

Purification:affinity purified by Protein A

Storage:0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Background: 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].

Concentration:1mg/ml

Applications:WB(1:500-2000)
ELISA(1:5000-10000)
IHC-P(1:100-500)
IHC-F(1:100-500)
IF(1:100-500)

Cross Reactive Species: Human
Mouse
Rat
Dog
Pig
Cow
Sheep
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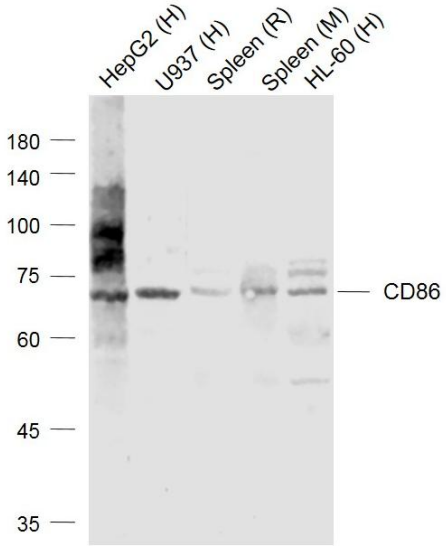
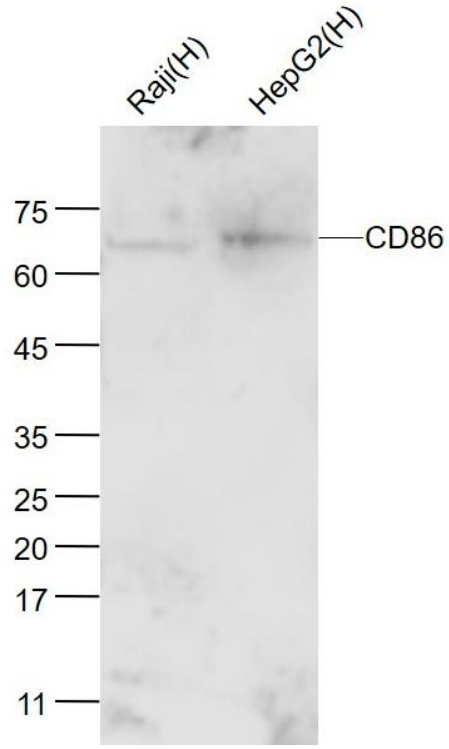
For research use only. Not intended for diagnostic or therapeutic use.

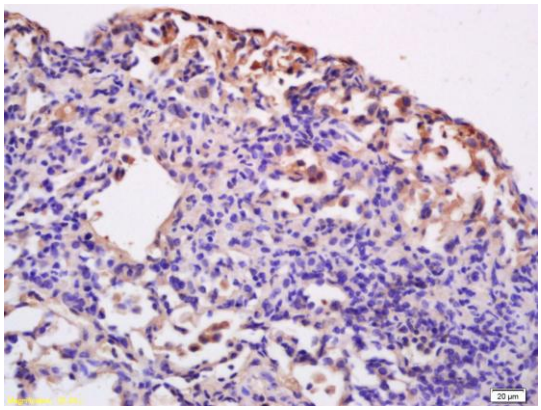
VALIDATION IMAGES



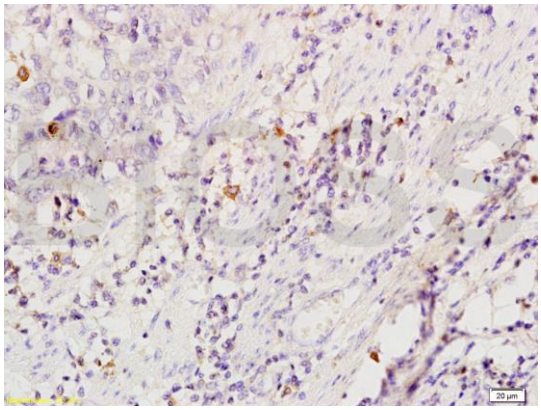
Sample:
Lane 1: HepG2 (Human) Cell Lysate at 30 ug
Lane 2: U937 (Human) Cell Lysate at 30 ug
Lane 3: Spleen (Rat) Lysate at 40 ug
Lane 4: Spleen (Mouse) Lysate at 40 ug
Lane 5: HL-60 (Human) Cell Lysate at 30 ug
Primary: Anti-CD86 at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 72-74 kD
Observed band size: 72 kD



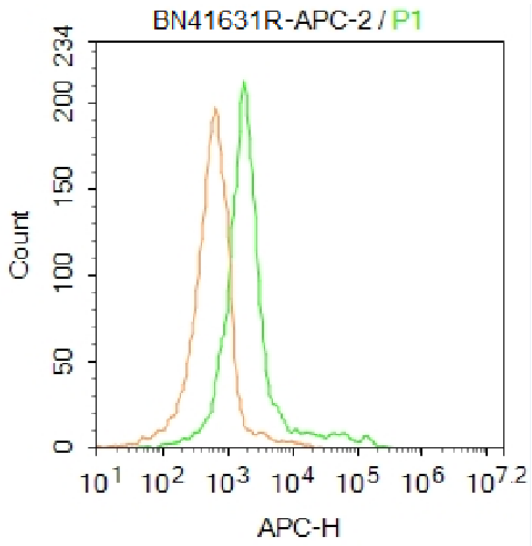
Sample:
Raji(Human) Cell Lysate at 30 ug
HepG2(Human) Cell Lysate at 30 ug
Primary: Anti- CD86 at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 70/80 kD
Observed band size: 70 kD



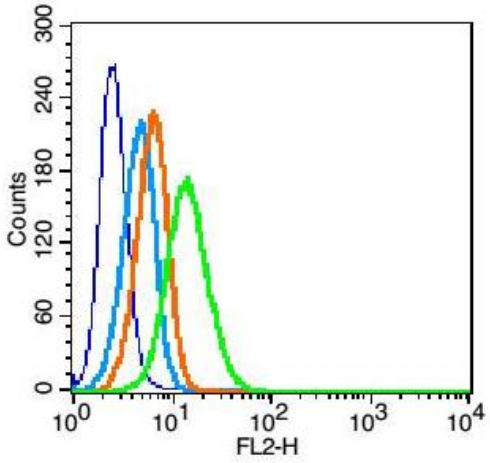
Tissue/cell: rat lung tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum) at 37℃ for 20 min;
Incubation: Anti-CD86/B7-2 Polyclonal Antibody, Unconjugated 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining



Tissue/cell: Human esophageal carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum) at 37℃ for 20 min;
Incubation: Anti-CD86/B7-2 Polyclonal Antibody, Unconjugated 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining



Blank control: Mouse spleen.
Primary Antibody (green line): Rabbit Anti-CD86 antibody
Dilution: 2μg /10^6 cells;
Isotype Control Antibody (orange line): Rabbit IgG .
Protocol
The cells were incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. Acquisition of 20,000 events was performed.



Blank control: U937(blue).
Primary Antibody: Rabbit Anti-CD86 antibody, Dilution: 1μg in 100 μL 1X PBS containing 0.5% BSA;
Isotype Control Antibody: Rabbit IgG (orange) ,used under the same conditions.
Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA.
Protocol
The cells were fixed with 2% paraformaldehyde (10 min).Primary antibody (1μg /1x10^6 cells) were incubated for 30 min on the ice, followed by 1 X PBS containing 0.5% BSA + 10% goat serum (15 min) to block non-specific protein-protein interactions. Then the Goat Anti-rabbit IgG/PE antibody was added into the blocking buffer mentioned above to react with the primary antibody at 1/200 dilution for 30 min on ice. Acquisition of 20,000 events was performed.