

**bs-1035R**

**[ Primary Antibody ]**

## CD86 Rabbit pAb

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### — DATASHEET —

**Host:** Rabbit

**Isotype:** IgG

**Clonality:** Polyclonal

**GeneID:** 56822

**Target:** CD86

**Immunogen:** KLH conjugated synthetic peptide derived from the middle of rat CD86: 140-175/313. < Extracellular >

**Purification:** affinity purified by Protein A

**Concentration:** 1mg/ml

**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.  
Shipped at 4°C. 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].

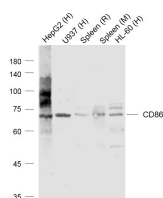
**Applications:** **WB** (1:500-2000)  
**IHC-P** (1:100-500)  
**IHC-F** (1:100-500)  
**IF** (1:100-500)  
**Flow-Cyt** (1µg/Test)  
**ICC/IF** (1:50-200)

**Reactivity:** Human, Mouse, Rat

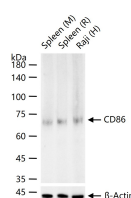
**Predicted MW.:** 31 kDa

**Subcellular Location:** Cell membrane

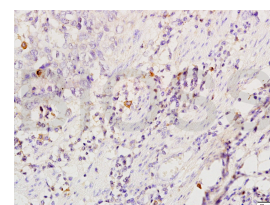
### — VALIDATION IMAGES —



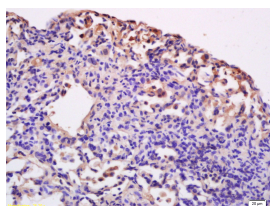
Sample: Lane 1: HepG2 (Human) Cell Lysate at 30 ug  
Lane 2: U937 (Human) Cell Lysate at 30 ug  
Lane 3: Spleen (Rat) Lysate at 40 ug  
Lane 4: Spleen (Mouse) Lysate at 40 ug  
Lane 5: HL-60 (Human) Cell Lysate at 30 ug  
Primary: Anti-CD86 (bs-1035R) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 72-74 kD  
Observed band size: 72 kD



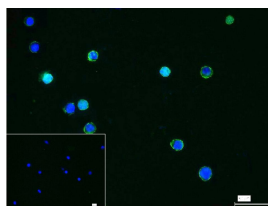
25 ug total protein per lane of various lysates (see on figure) probed with CD86 polyclonal antibody, unconjugated (bs-1035R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



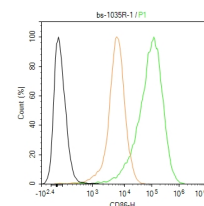
Tissue/cell: Human esophageal carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-CD86/B7-2 Polyclonal Antibody, Unconjugated(bs-1035R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



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



4% Paraformaldehyde-fixed Daudi (H) cell; Antibody incubation with (CD86) polyclonal Antibody, unconjugated (bs-1035R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-



The MJ (H) cells were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.), followed by secondary antibody incubation for 40 min at room temperature.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-CD86/B7-2 Polyclonal Antibody, Unconjugated(bs-1035R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

Rabbit IgG antibody (green, bs-40295G-FITC) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.

Primary Antibody (green): Rabbit Anti-CD86 antibody (bs-1035R): 1 µg/10<sup>6</sup> cells; Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed.

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## — SELECTED CITATIONS —

- **[IF=20.722]** Meng Lin. et al. CRISPR-based in situ engineering tumor cells to reprogram macrophages for effective cancer immunotherapy. Nano Today. 2022 Feb;42:101359 IF ;Mouse. 10.1016/j.nantod.2021.101359
- **[IF=18.9]** Qinghua Li. et al. Macrophage metabolism reprogramming EGCG-Cu coordination capsules delivered in polyzwitterionic hydrogel for burn wound healing and regeneration. BIOACT MATER. 2023 Nov;29:251 IF ;Mouse. 37533477
- **[IF=19]** Youyun Zeng. et al. Reactive Oxygen Species-Activated CO Versatile Nanomedicine with Innate Gut Immune and Microbiome Remodeling Effects for Treating Inflammatory Bowel Disease. ADV FUNCT MATER. 2023 Jul;2304381 IF ;Mouse. 10.1002/adfm.202304381
- **[IF=18.027]** Guanghao Wu. et al. Enhanced Proliferation of Visualizable Mesenchymal Stem Cell-Platelet Hybrid Cell for Versatile Intracerebral Hemorrhage Treatment. ACS NANO. 2023;XXXX(XXX):XXX-XXX IF,ICC,FCM ;Mouse. 37037487
- **[IF=17.1]** Huifang Du. et al. Subcellular Nanobionic Liposome with High Zeta Potential Enhances Intravesical Adhesion and Drug Delivery. ACS NANO. 2024;18(4):3583–3596 IF ;Mouse. 38252681