
CD80 Rabbit pAb

Catalog Number: bs-1479R

Target Protein: CD80

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), Flow-Cyt (2µg/Test)

Reactivity: Human, Mouse, Rat

Predicted MW: 32 kDa

Detected MW: 60-65 kDa

Entrez Gene: 941

Swiss Prot: P33681

Source: KLH conjugated synthetic peptide derived from human CD80: 111-265/288.

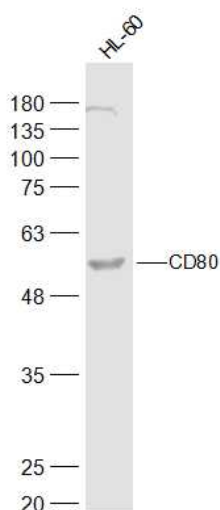
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

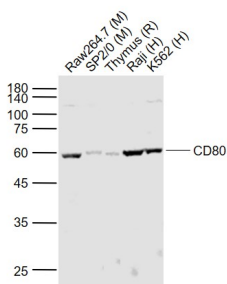
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: CD80 is a member of the Ig superfamily and serves as the ligand for two T cell molecules, CD28 and CTLA4. Interactions between CD28 and CD80 on activated B cells result in enhanced T cell activation. CD80 is rapidly induced on the surface of in vitro activated B cells, Epstein Barr Virus (EBV) transformed B cell lines, Burkitts lymphoma cell lines, freshly isolated follicular B lymphoma cells, T cells, and monocytes. It is also expressed at high levels in dendritic cells. It reacts weakly with a small proportion of non activated normal B cells and with HTLV1 infected T cells. CD80 does not react with peripheral monocytes, resting and activated normal T cells, T cell lines and T cell clones, nor with myelomonocytic cell lines.

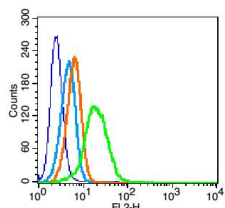
VALIDATION IMAGES



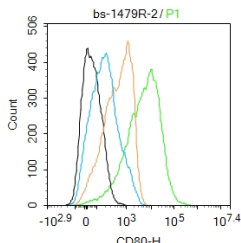
Sample: HL-60(Human) Cell Lysate at 40 ug Primary: Anti-CD80 (bs-1479R) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 32 kD Observed band size: 57 kD



Sample: Lane 1: Raw264.7 (Mouse) Cell Lysate at 30 ug Lane 2: SP2/0 (Mouse) Cell Lysate at 30 ug Lane 3: Thymus (Rat) Lysate at 40 ug Lane 4: Raji (Human) Cell Lysate at 30 ug Lane 5: K562 (Human) Cell Lysate at 30 ug Primary: Anti-CD80 (bs-1479R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 60-65 kD Observed band size: 60 kD



Blank control: U937(blue). Primary Antibody: Rabbit Anti-CD80 antibody(bs-1479R), 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 (bs-1479R, 1µg /1x10⁶ 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.



Blank control:Raji. Primary Antibody (green line): Rabbit Anti-CD80 antibody (bs-1479R) Dilution: 2ug/Test; Secondary Antibody : Goat anti-rabbit IgG-AF488 Dilution: 0.5ug/Test. Protocol The cells were incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

PRODUCT SPECIFIC PUBLICATIONS

[IF=16.6] Wang Kaiyuan. et al. Biomimetic nanovaccine-mediated multivalent IL-15 self-transpresentation (MIST) for potent and safe cancer immunotherapy. NAT COMMUN. 2023 Oct;14(1):1-18 WB ; Mouse . 37875481

[IF=8.897] Liu, Houli. et al. Immunomodulatory hybrid bio-nanovesicle for self-promoted photodynamic therapy. Nano Res. 2022 Feb;:1-10 WB ; Mouse . 10.1007/s12274-021-4050-3

[IF=9.207] Li Yin. et al. G6PD activation in TNBC cells induces macrophage recruitment and M2 polarization to promote tumor progression. CELL MOL LIFE SCI. 2023 Jun;80(6):1-20 WB ; Human . 37237244

[IF=3.427] Gao et al. Common expression of stemness molecular markers and early cardiac transcription factors in human Wharton's jelly-derived mesenchymal stem cells and embryonic stem cells. (2013) Cell.Transplan. 22:1883-900 FCM ; Human . 23394400

[IF=3.457] Zheng X et al. Dendritic cells and Th17/Treg ratio play critical roles in pathogenic process of chronic obstructive pulmonary

disease. (2018) Biomedicine & Pharmacotherapy.108,1141–1151. IHC ; Human . 30372815