bs-2211R **[Primary Antibody]**

CD80 Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

Target: CD80

Immunogen: KLH conjugated synthetic peptide derived from rat CD80: 251-321/321. < Cytoplasmic >

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: 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.

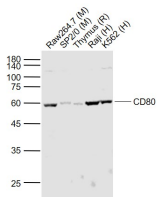
Applications: **WB** (1:500-2000)
Flow-Cyt (2μg/Test)

Reactivity: Human, Mouse, Rat

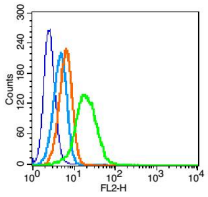
Predicted MW.: 30 kDa

Subcellular Location: Cell membrane

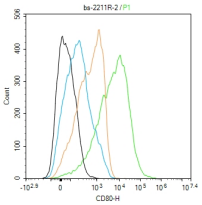
VALIDATION IMAGES



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-2211R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 30 kD Observed band size: 60 kD



Blank control: U937(blue). Primary Antibody: Rabbit Anti-CD80 antibody(bs-2211R), 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-2211R, 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.



Blank control:Raji. Primary Antibody (green line): Rabbit Anti-CD80 antibody (bs-2211R) 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.

SELECTED CITATIONS

- **[IF=17.521]** Yanlun Zhu. et al. Oral Delivery of Bioactive Glass-Loaded Core–Shell Hydrogel Microspheres for Effective

Treatment of Inflammatory Bowel Disease. Advanced Science. 2023 Apr;:2207418 IHC ;Mouse. 37092589

- **[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=10.761]** Gaolong Lin. et al. Polydopamine-cladded montmorillonite micro-sheets as therapeutic platform repair the gut mucosal barrier of murine colitis through inhibiting oxidative stress. MATER TODAY BIO. 2023 Jun;20:100654 IF ;Mouse. 37214550
- **[IF=10.652]** Lifen Wang. et al. Thermo-sensitive hydrogel with mussel-inspired adhesion enhanced the non-fibrotic repair effect of EGF on colonic mucosa barrier of TNBS-induced ulcerative colitis rats through macrophage polarizing. Chem Eng J. 2021 Jul;416:129221 IF ;Rat. 10.1016/j.cej.2021.129221
- **[IF=10.435]** Xu, Hua-Zhen. et al. Synergy of nanodiamond–doxorubicin conjugates and PD-L1 blockade effectively turns tumor-associated macrophages against tumor cells. J Nanobiotechnol. 2021 Dec;19(1):1-24 IHC ;mouse. 34488792