bs-2211R

# [ Primary Antibody ]

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# CD80 Rabbit pAb

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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%

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)

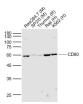
Reactivity: Human, Mouse, Rat

Predicted 30 kDa

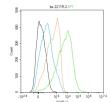
MW.:

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: Raii (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: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 nonspecific 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