

bs-23738R**[Primary Antibody]****CD80 Rabbit pAb****BioSS**
ANTIBODIES

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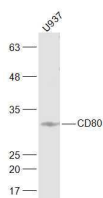
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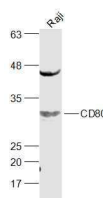
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— DATASHEET —

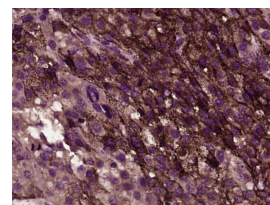
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 941	SWISS: P33681	IHC-F (1:100-500)
Target: CD80		IF (1:100-500)
Immunogen: KLH conjugated synthetic peptide derived from human CD80: 201-300/288. < Extracellular >		Reactivity: Human
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 32 kDa
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.		Subcellular Location: Cell membrane
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: U937(Human) Cell Lysate at 30 ug
 Primary: Anti-CD80 (bs-23738R) at 1/1000
 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 32 kD Observed band size: 32 kD



Sample: Raji(Human) Cell Lysate at 30 ug
 Primary: Anti-CD80 (bs-23738R) at 1/1000
 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 32 kD Observed band size: 32 kD



Paraformaldehyde-fixed, paraffin embedded (Human melanoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CD80) Polyclonal Antibody, Unconjugated (bs-23738R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=6.4]** Mengdi Zhang. et al. Topical transdermal administration of lenalidomide nanosuspensions-based hydrogels against melanoma: In vitro and in vivo studies. INT J PHARM-X. 2025 Jun;9:100316 IHC ;Mouse. 39898009
- **[IF=3.9]** Huang Wenjiao. et al. Effects of ATF2/TSC1 on epilepsy by modulating the microphages polarization of microglia. SCI REP-UK. 2025 Jul;15(1):1-14 IF ;Mouse. 40595935
- **[IF=3.1]** Zheng Haihan. et al. Spon2 knockdown suppresses the phenotype of house dust mite-induced allergic asthma

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

in mice and cells. IMMUNOL RES. 2025 Dec;73(1):1-13 IHC ;Mouse. 40691739