

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

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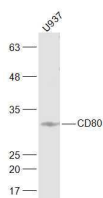
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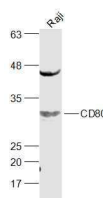
400-901-9800

**— DATASHEET —**

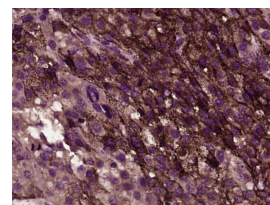
|  |                      |   |
|--|----------------------|---|
| <b>Host:</b> Rabbit  | <b>Isotype:</b> IgG  | <b>Applications:</b> <b>WB</b> (1:500-2000) |
| <b>Clonality:</b> Polyclonal   |                      | <b>IHC-P</b> (1:100-500)                    |
| <b>GeneID:</b> 941   | <b>SWISS:</b> P33681 | <b>IHC-F</b> (1:100-500)                    |
| <b>Target:</b> CD80  |                      | <b>IF</b> (1:100-500)                       |
| <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human CD80: 201-300/288. < Extracellular >   |                      | <b>Reactivity:</b> Human                    |
| <b>Purification:</b> affinity purified by Protein A  |                      |   |
| <b>Concentration:</b> 1mg/ml   |                      | <b>Predicted MW.:</b> 32 kDa                |
| <b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.<br>Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.   |                      | <b>Subcellular Location:</b> Cell membrane  |
| <b>Background:</b> 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