SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-CD80 antibody

Catalog Number: SL23738R

FOR RESEARCH USE ONLY

[DATASHEET]

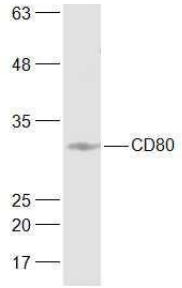
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CD80
Immunogen:	KLH conjugated synthetic peptide derived from human CD80: 201-300/288 <Extracellular>
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human
Predicted MW.:	32kDa
Subcellular Location:	The 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. **Function:** Involved in the costimulatory signal essential for T-lymphocyte

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

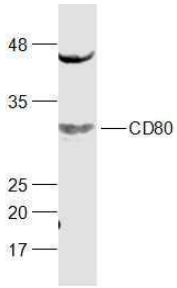
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	activation. T-cell proliferation and cytokine production is induced by the binding of CD28 or CTLA-4 to this receptor. **Subcellular Location:** Membrane. **Tissue Specificity:** Expressed on activated B-cells, macrophages and dendritic cells. **Similarity:** Contains 1 Ig-like C2-type (immunoglobulin-like) domain. Contains 1 Ig-like V-type (immunoglobulin-like) domain. **Database links:** **Entrez Gene:** 941 Human **Entrez Gene:** 12519 Mouse Omim: 112203 Human **SwissProt:** P33681 Human **SwissProt:** Q00609 Mouse **Unigene:** 838 Human **Unigene:** 89474 Mouse

[VALIDATION IMAGES]



Sample:
U937(Human) Cell Lysate at 30 ug
Primary: Anti-CD80 (SL23738R) 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 (SL23738R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 32 kD
Observed band size: 32 kD

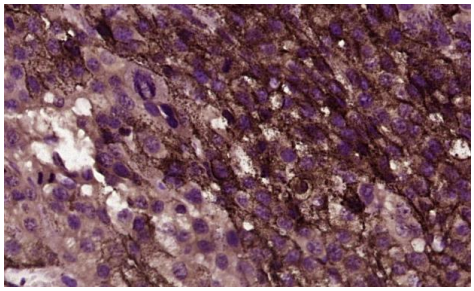
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Paraformaldehyde-fixed, paraffin embedded (Human melanoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CD80) Polyclonal Antibody, Unconjugated (SL23738R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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