

Anti-CD80 Polyclonal Antibody 3

Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 32 kDa. Actual: 32 kDa.
Purification:	Protein A purified

Applications

1. Paraformaldehyde-fixed, paraffin embedded (Human melanoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (CD80) Polyclonal Antibody, Unconjugated (TMAB-00394) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

2. Sample:

U937 (Human) Cell Lysate at 30 µg

Primary: Anti-CD80 (TMAB-00394) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 32 kDa

Observed band size: 32 kDa

3. Sample:

Raji (Human) Cell Lysate at 30 µg

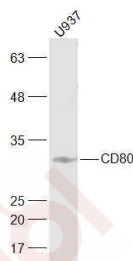
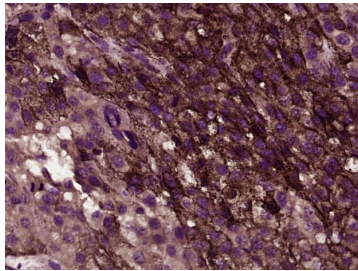
Primary: Anti-CD80 (TMAB-00394) at 1/1000 dilution

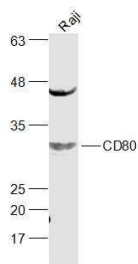
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 32 kDa

Observed band size: 32 kDa

Verified Activity:





Application: IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human CD80

Antigen Species: Human

Gene ID: 941

Uniprot ID: P33681

Synonyms: BB1;CD28LG1;B7;B7.1;LAB7;B71;B7-1;CD80;CD80 molecule

Biology Area: CD,B Lymphocytic Lineage,Dendritic Cell Lineage,Monocytic Lineage

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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