

Basic Information

Product Name	Anti-B7-1/CD80 Antibody		
Gene Name	CD80		
Source	Rabbit		
Isotype	IgG		
Species Reactivity	human, rat		
Tested Application	IHC, ELISA		
Contents	500 ug/ml antibody with PBS , 0.02% NaN3 , 1 mg BSA and 50% glycerol.		
Immunogen	E. coli-derived human CD80 recombinant protein (Position: V35-L244).		
concentration	500 ug/ml		
Purification	Immunogen affinity purified.		
Dilution Ratios	Immunohistochemistry in paraffin section (IHC): 1:50-400 (ELISA): 1:100-1000 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.		

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

Background Information

Cluster of Differentiation 80 (also CD80 and B7-1) is a protein found on activated B cells and monocytes that provides a costimulatory signal necessary for T cell activation and survival. It is the ligand for two different proteins on the T cell surface: CD28 (for autoregulation and intercellular association) and CTLA-4 (for attenuation of regulation and cellular disassociation). CD80 works in tandem with CD86 to prime T cells. The CD80 genes encode B7-1 which are structurally similar members of the immunoglobulin superfamily expressed on a variety of hematopoietic cell types.

Reference

Anti-B7-1/CD80 Antibody 被引用在1文献中。

Selected Validation Data

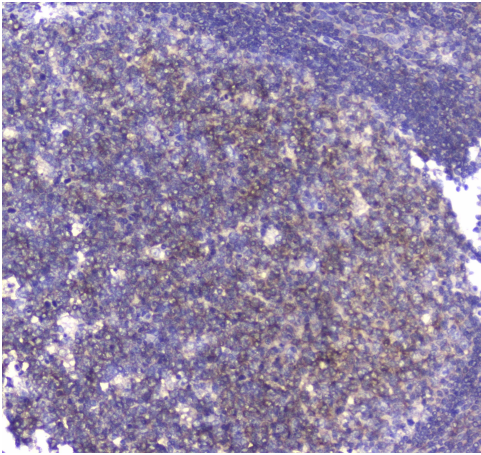


Figure 1. IHC analysis of CD80 using anti-CD80 antibody (A00196-1).CD80 was detected in paraffin-embedded section of human tonsil tissue . Biotinylated goat anti-rabbit IgG was used as secondary antibody The tissue section was developed using Streptavidin-Biotin-Complex (SABC)(Catalog # SA1022) with DAB as the chromogen.