

Basic Information

Product Name	Anti-B7-1/CD80 Antibody (Clone#OTI2B11)	
Gene Name	CD80	
Source	Mouse	
Isotype	IgG2a	
Species Reactivity	human	
Tested Application	WB, IHC, IF	
Contents	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.	
Immunogen	Full length human recombinant protein of human CD80 (NP_005182) produced in HEK293T cell.	
concentration	500 ug/ml	
Purification	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)	
Observed MW	29.3KD	
Dilution Ratios	Western blot (WB): 1:2000 Immunohistochemistry in paraffin section (IHC):1:150 Immunofluorescence (IF): 1:100	

Storage

Stable for 12 months from date of receipt. Store at -20°C as received.

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.

Selected Validation Data

Product datasheet

**Anti-B7-1/CD80 Antibody
(Clone#OTI2B11)**

Catalog Number: MA00196

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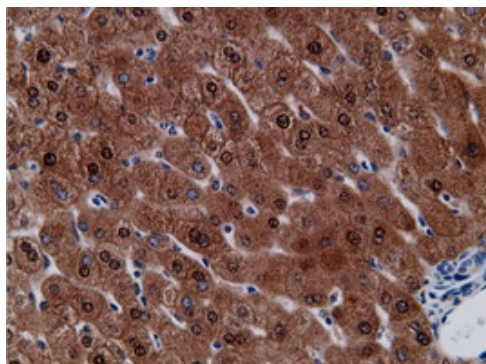


Figure 1. Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-CD80 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, MA00196)