



# CD80 Monoclonal Antibody

<b>Catalog No</b>	YP-Ab-13811
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human
<b>Applications</b>	IHC;IF;ELISA
<b>Gene Name</b>	CD80
<b>Protein Name</b>	T-lymphocyte activation antigen CD80
<b>Immunogen</b>	Purified recombinant fragment of CD80 expressed in E. Coli.
<b>Specificity</b>	CD80 Monoclonal Antibody detects endogenous levels of CD80 protein.
<b>Formulation</b>	Ascitic fluid containing 0.03% sodium azide, 0.5% BSA, 50% glycerol.
<b>Source</b>	Monoclonal, Mouse
<b>Purification</b>	Affinity purification
<b>Dilution</b>	Immunohistochemistry: 1/200 - 1/1000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	CD80; CD28LG; CD28LG1; LAB7; T-lymphocyte activation antigen CD80; Activation B7-1 antigen; BB1; CTLA-4 counter-receptor B7.1; B7; CD antigen CD80
<b>Observed Band</b>	
<b>Cell Pathway</b>	Membrane; Single-pass type I membrane protein.
<b>Tissue Specificity</b>	Expressed on activated B-cells, macrophages and dendritic cells.
<b>Function</b>	function: Involved in the costimulatory signal essential for T-lymphocyte activation. T-cell proliferation and cytokine production is induced by the binding of CD28 or CTLA-4 to this receptor. similarity: Contains 1 Ig-like C2-type (immunoglobulin-like) domain. similarity: Contains 1 Ig-like V-type (immunoglobulin-like) domain. subunit: Interacts with adenovirus subgroup B fiber proteins and acts as a receptor for these viruses. tissue specificity: Expressed on activated B-cells, macrophages and dendritic cells.
<b>Background</b>	The protein encoded by this gene is a membrane receptor that is activated by the binding of CD28 or CTLA-4. The activated protein induces T-cell proliferation and cytokine production. This protein can act as a receptor for adenovirus subgroup B and may play a role in lupus neuropathy. [provided by RefSeq, Aug 2011],

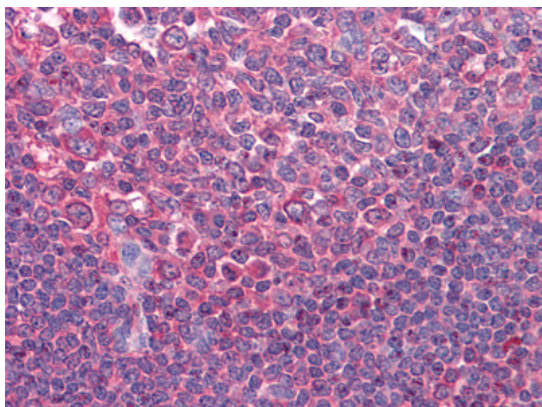
**matters needing attention**

Avoid repeated freezing and thawing!

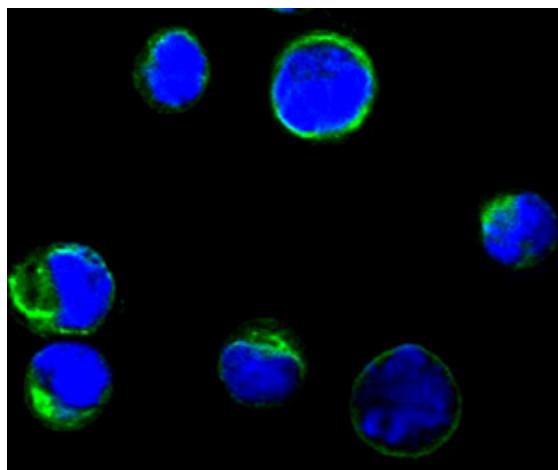
**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Immunohistochemistry analysis of paraffin-embedded human Tonsil tissues with AEC staining using CD80 Monoclonal Antibody.



Confocal immunofluorescence analysis of BCBL-1 cells using CD80 Monoclonal Antibody (green), showing membrane localization. Blue: DRAQ5 fluorescent DNA dye.