

Product datasheet for **UM500055CF**

B7-1 (CD80) Mouse Monoclonal Antibody [Clone ID: UMAB65]

Product data:

Product Type:	Primary Antibodies
Clone Name:	UMAB65
Applications:	10k-ChIP, IHC
Recommended Dilution:	IHC 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human CD80 (NP_005182) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	29.3 kDa
Gene Name:	CD80 molecule
Database Link:	NP_005182 Entrez Gene 941 Human P33681



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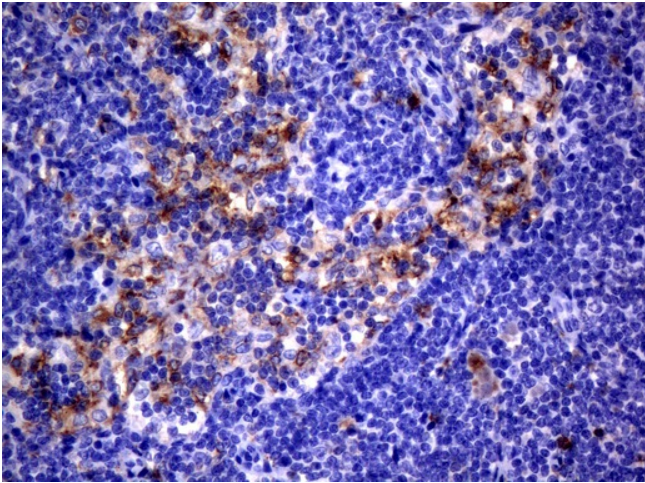
Background: The protein encoded by this gene is a membrane receptor that is activated by the binding of CD28 or CTLA-4. The activated protein induces T-cell proliferation and cytokine production. This protein can act as a receptor for adenovirus subgroup B and may play a role in lupus neuropathy. [provided by RefSeq, Aug 2011]

Synonyms: B7; B7-1; B7.1; BB1; CD28LG; CD28LG1; LAB7

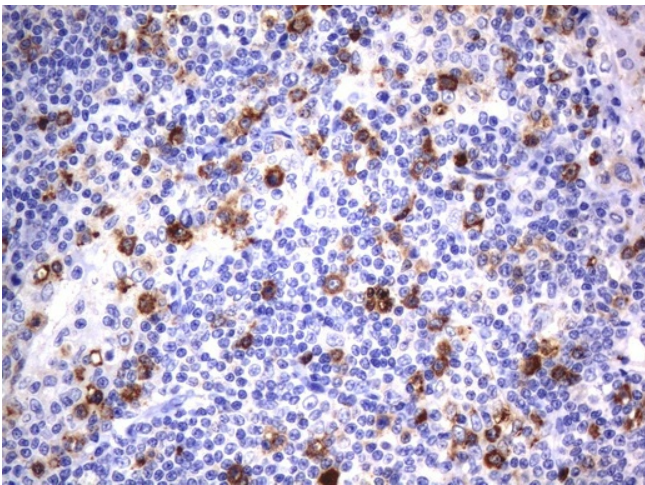
Protein Families: Druggable Genome, Transcription Factors, Transmembrane

Protein Pathways: Allograft rejection, Autoimmune thyroid disease, Cell adhesion molecules (CAMs), Graft-versus-host disease, Systemic lupus erythematosus, Toll-like receptor signaling pathway, Type I diabetes mellitus, Viral myocarditis

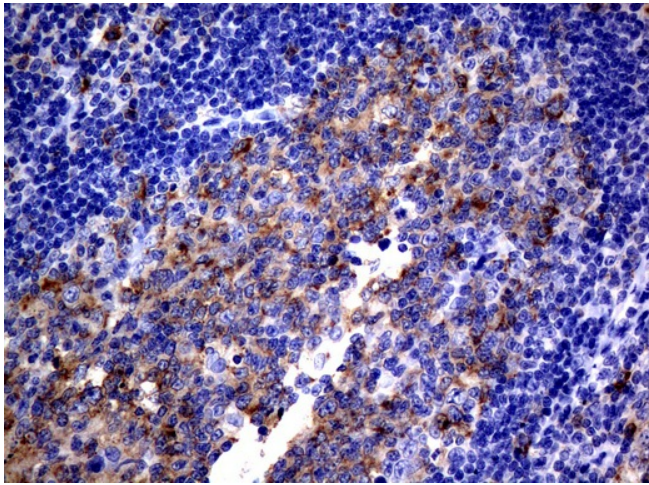
Product images:



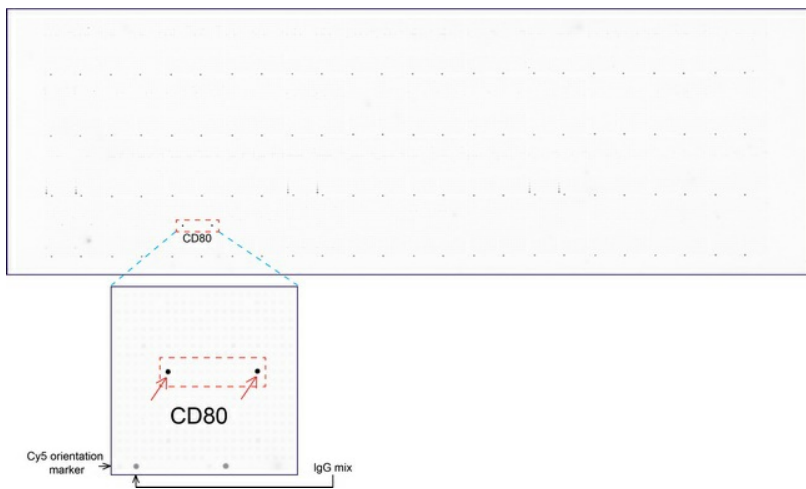
Immunohistochemical staining of paraffin-embedded Human lymph node tissue using anti-CD80 mouse monoclonal antibody. ([UM500055]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-CD80 mouse monoclonal antibody. ([UM500055]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



Immunohistochemical staining of paraffin-embedded Human tonsil using anti-CD80 mouse monoclonal antibody. ([UM500055]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



OriGene overexpression protein microarray chip was immunostained with UltraMAB anti-CD80 mouse monoclonal antibody ([UM500055]). The positive reactive proteins are highlighted with two red arrows in the enlarged subarray. All the positive controls spotted in this subarray are also labeled for clarification.