

Product datasheet for **UM500055**

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:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5~1.0 mg/ml (Lot Dependent)
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
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

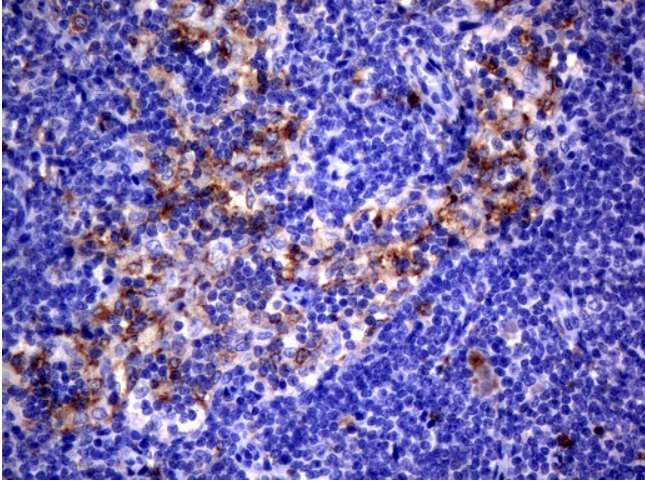


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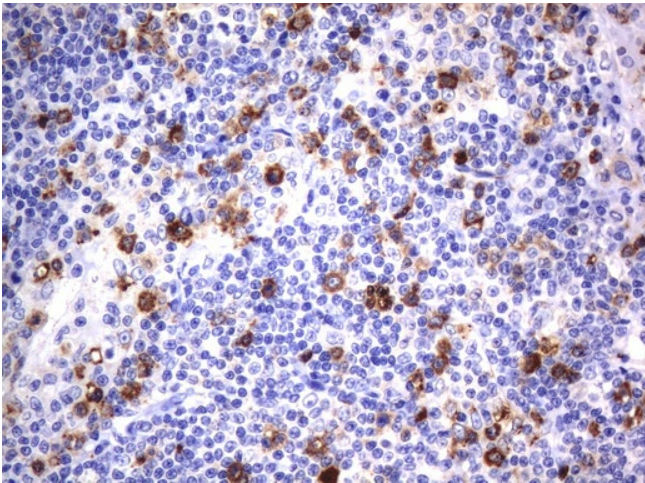
Protein Families: Druggable Genome, Transcription Factors, Transmembrane

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

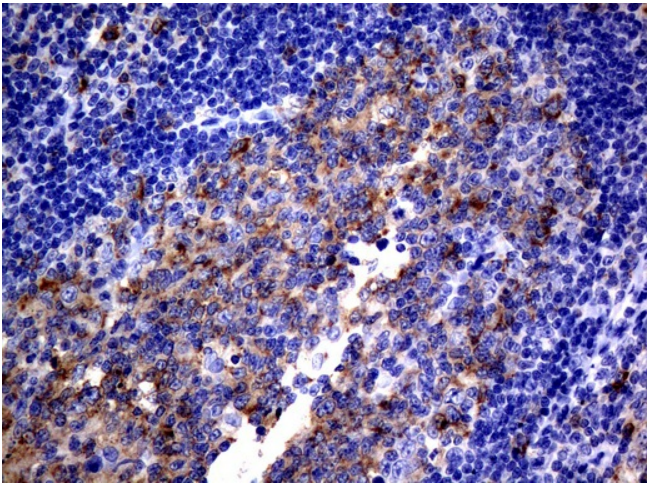
Product images:



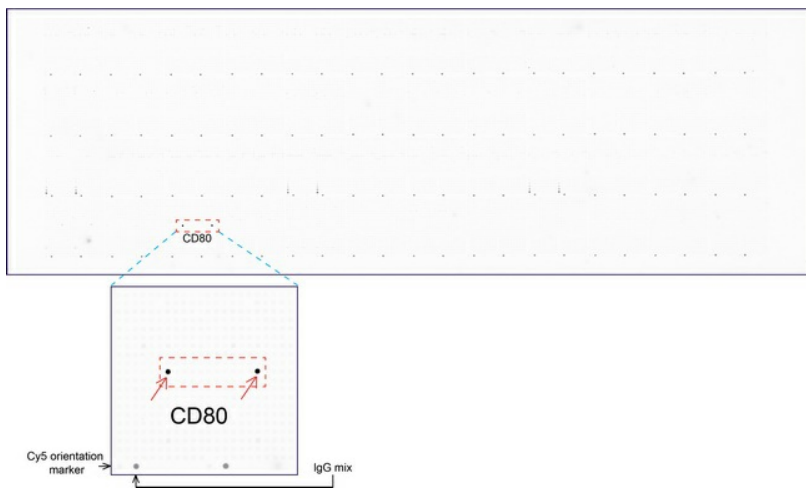
Immunohistochemical staining of paraffin-embedded Human lymph node tissue using anti-CD80 mouse monoclonal antibody. (UM500055; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



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.