

Product datasheet for **TA501681**

B7-1 (CD80) Mouse Monoclonal Antibody [Clone ID: OTI3F1]

Product data:

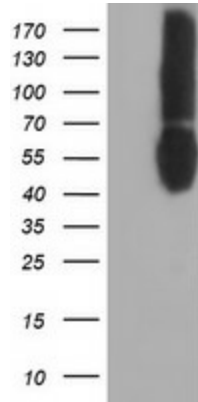
| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI3F1 |
| Applications: | IHC, WB |
| Recommended Dilution: | WB: 1:200 - 1:1000, IHC 1:150 |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG2a |
| Clonality: | Monoclonal |
| Immunogen: | Full length 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: | 1 mg/ml |
| 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 B-lymphocyte activation antigen B7-1 (formerly referred to as B7) provides regulatory signals for T lymphocytes as a consequence of binding to the CD28 (MIM 186760) and CTLA4 (MIM 123890) ligands of T cells. [supplied by OMIM] |
| Synonyms: | B7; B7-1; B7.1; BB1; CD28LG; CD28LG1; LAB7 |
| Protein Families: | Druggable Genome, Transcription Factors, Transmembrane |



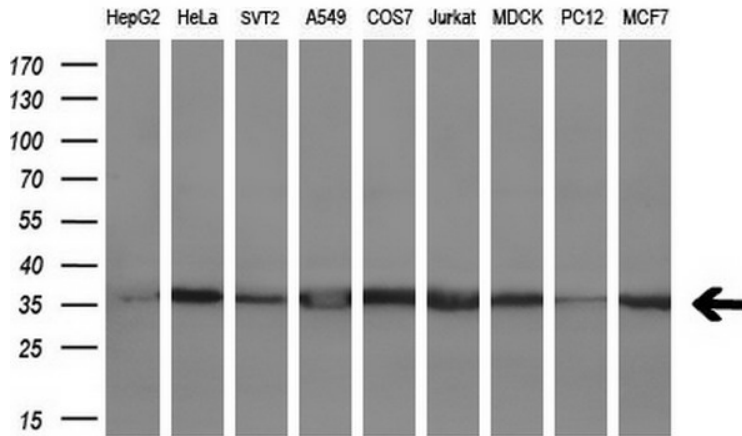
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Protein Pathways:

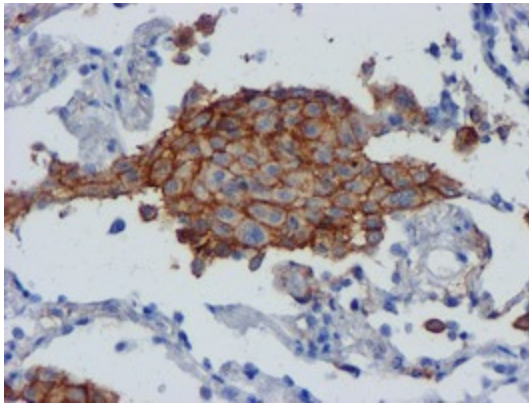
Allograft rejection, Autoimmune thyroid disease, Cell adhesion molecules (CAMs), Graft-versus-host disease, Systemic lupus erythematosus, Toll-like receptor signaling pathway, Type I diabetes mellitus, Viral myocarditis

Product images:


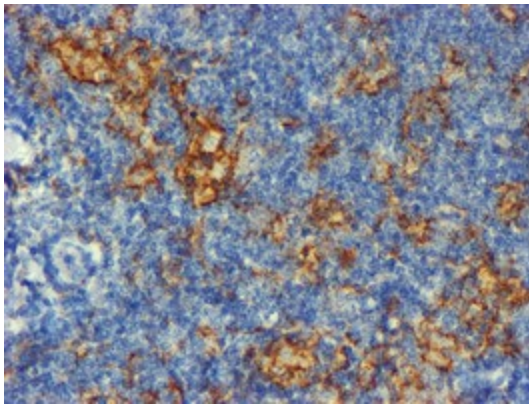
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CD80 ([RC206540], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CD80.



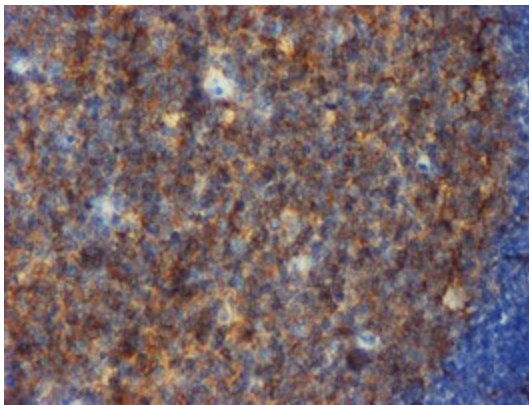
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-CD80 monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human) (1:200).



Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-CD80 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA501681)



Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-CD80 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA501681)



Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-CD80 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA501681)