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Product datasheet for TA501576S

B7-1 (CD80) Mouse Monoclonal Antibody [Clone ID: OTI2E5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2E5
Applications:	IF, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150, IF 1:100
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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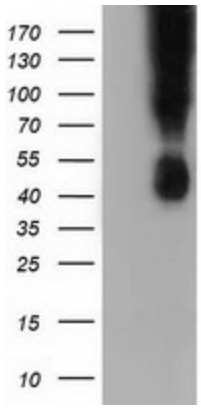
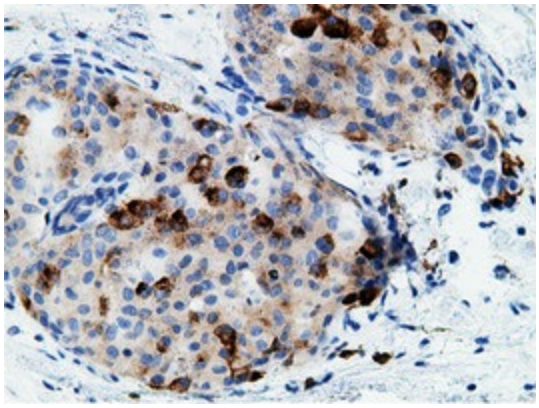
Protein Pathways: Allograft rejection, Autoimmune thyroid disease, Cell adhesion molecules (CAMs), Graft-versus-host disease, Systemic lupus erythematosus, Toll-like receptor signaling pathway, Type I diabetes mellitus, Viral myocarditis

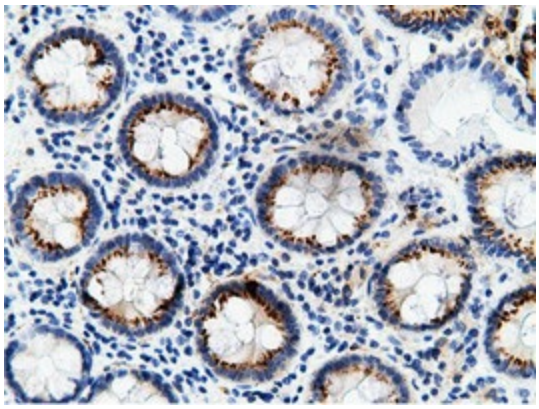
Product images:



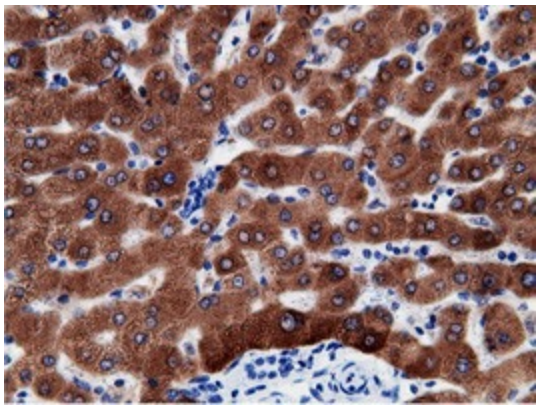
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY CD80 (Cat# [RC206540], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CD80(Cat# [TA501576]).



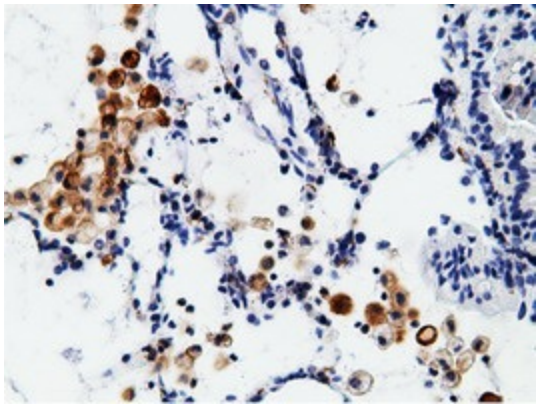
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-CD80 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501576])



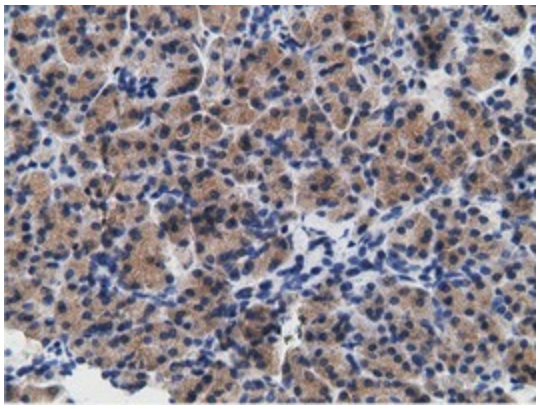
Immunohistochemical staining of paraffin-embedded Human colon tissue within the normal limits using anti-CD80 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501576])



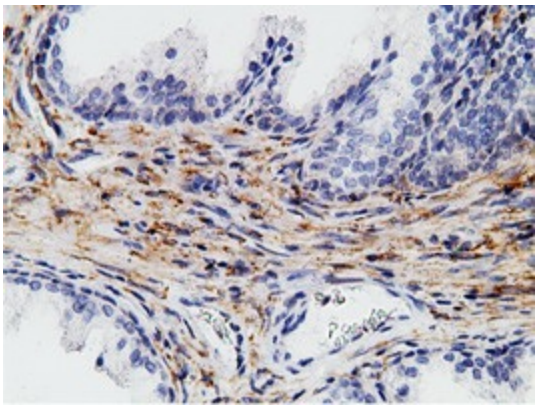
Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-CD80 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501576])



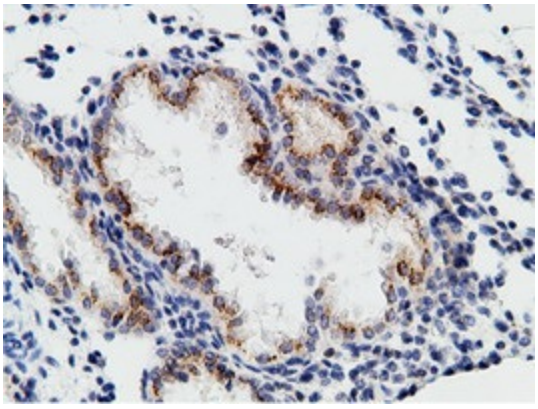
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-CD80 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501576])



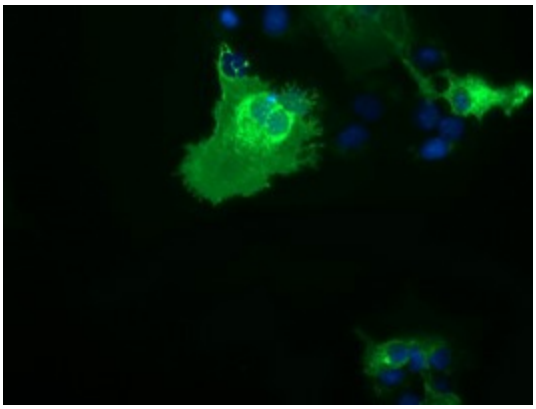
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-CD80 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501576])



Immunohistochemical staining of paraffin-embedded Human prostate 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, [TA501576])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-CD80 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501576])



Anti-CD80 mouse monoclonal antibody ([TA501576]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY CD80 ([RC206540]).