

Product datasheet for TA812243

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

B7-1 (CD80) Mouse Monoclonal Antibody [Clone ID: OTI1G9]

Product data:

Product Type: Primary Antibodies

Clone Name: OTI1G9

Applications: ELISA, FC, LMNX, WB **Recommended Dilution:** WB 1:500, FLOW 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: 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.

Gene Name: CD80 molecule

Database Link: NP 005182

Entrez Gene 941 Human

P33681

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-

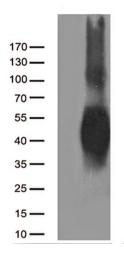
versus-host disease, Systemic lupus erythematosus, Toll-like receptor signaling pathway,

Type I diabetes mellitus, Viral myocarditis

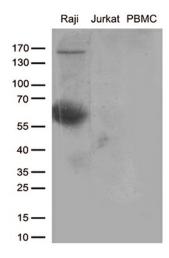




Product images:

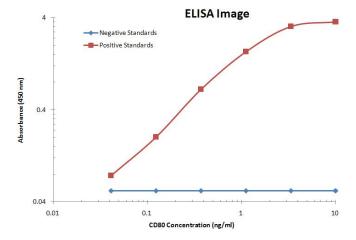


HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CD80 ([RC206540], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CD80 (1:500).

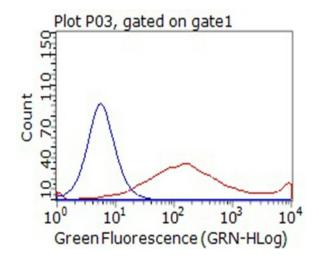


Western blot analysis of extracts (35ug) from cell lines and/or tissue lysates by using anti-CD80 monoclonal antibody (1:500).

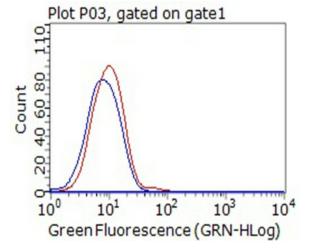




CD80 ELISA with 1G9 (TA812243) Capture and 11G5 ([TA812246]) Detection Antibodies. Substrate used: Recombinant Human CD80 ([TP700242])

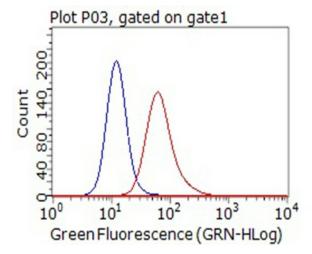


HEK293T cells transfected with either [RC206540] overexpress plasmid (Red) or IgG isotype control (Blue) were immunostained by anti-CD80 antibody (TA812243), and then analyzed by flow cytometry (1:100).

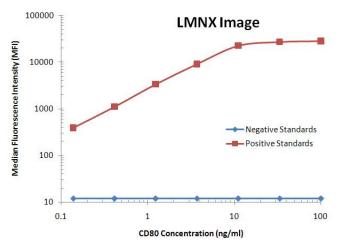


Flow cytometric Analysis of living Jurkat cells, using anti-CD80 antibody (TA812243), (Red), compared to an IgG isotype control, (Blue) (1:100).





Flow cytometric Analysis of living Raji cells, using anti-CD80 antibody (TA812243), (Red), compared to an IgG isotype control, (Blue) (1:100).



CD80 Luminex with 1G9 (TA812243) Capture and 11G5 ([TA812246]) Detection Antibodies. Substrate used: Recombinant Human CD80 ([TP700242])