

## Product datasheet for **TA812361M**

### **B7-1 (CD80) Mouse Monoclonal Antibody [Clone ID: OTI8E9]**

#### **Product data:**

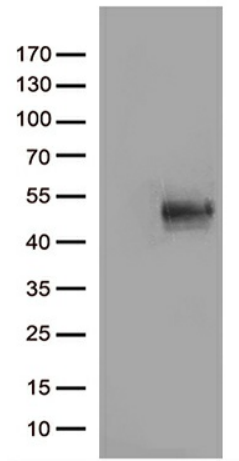
|                       |  |
|-----------------------|--|
| Product Type:         | Primary Antibodies   |
| Clone Name:           | OTI8E9   |
| Applications:         | FC, WB   |
| Recommended Dilution: | WB 1:500, FLOW 1:100   |
| Reactivity:           | Human  |
| Host:                 | Mouse  |
| Isotype:              | IgG1   |
| Clonality:            | Monoclonal   |
| Immunogen:            | Human recombinant protein fragment corresponding to amino acids 35-242+Mouse Fc 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:        | <a href="#">NP_005182</a><br><a href="#">Entrez Gene 941 Human</a><br><a href="#">P33681</a>   |
| 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   |



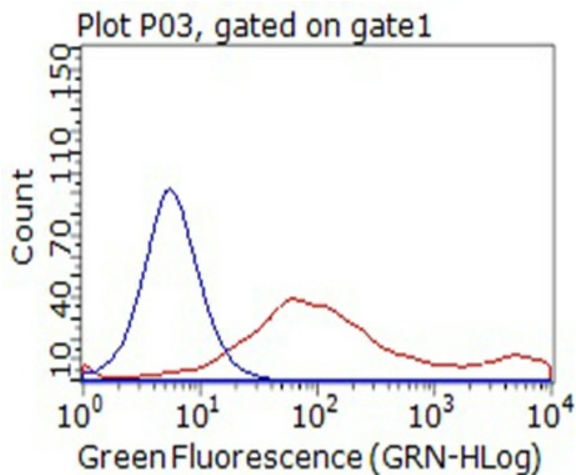
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**Protein Pathways:** Allograft rejection, Autoimmune thyroid disease, Cell adhesion molecules (CAMs), Graft-versus-host disease, Systemic lupus erythematosus, Toll-like receptor signaling pathway, Type I diabetes mellitus, Viral myocarditis

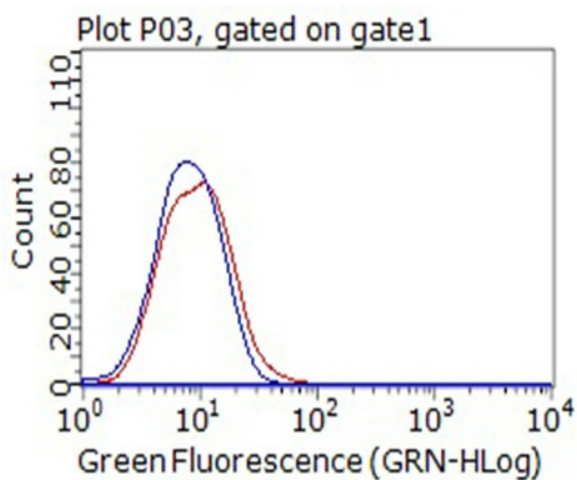
## Product images:



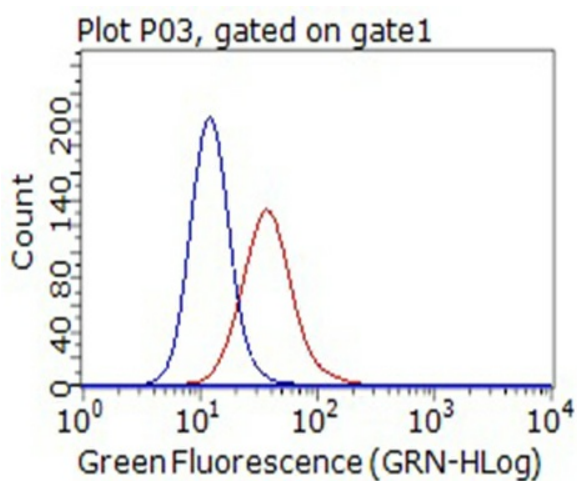
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CD80 ([RC206540], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CD80 (1:500).



HEK293T cells transfected with either [RC206540] overexpress plasmid (Red) or IgG isotype control (Blue) were immunostained by anti-CD80 antibody ([TA812361]), and then analyzed by flow cytometry (1:100).



Flow cytometric Analysis of living Jurkat cells, using anti-CD80 antibody ([TA812361]), (Red), compared to an IgG isotype control, (Blue) (1:100).



Flow cytometric Analysis of living Raji cells, using anti-CD80 antibody ([TA812361]), (Red), compared to an IgG isotype control, (Blue) (1:100).