9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

# 30-1703: Anti-CD80 / B7-1 Monoclonal Antibody (Clone:MEM-233)-APC Conjugated

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|---|---|
| **Clonality :** | Monoclonal |
| **Clone Name :** | MEM-233 |
| **Application :** | FACS, IP |
| **Reactivity :** | Human |
| **Conjugate :** | APC |
| **Gene :** | CD80 |
| **Gene ID :** | 941 |
| **Uniprot ID :** | P33681 |
| **Alternative Name :** | CD80,CD28LG,CD28LG1,LAB7 |
| **Isotype :** | Mouse IgG1 |
| **Immunogen Information :** | Extracellular domain of human CD80 fused to human IgG1(Fc) |

## Description

CD80 (B7-1) and CD86 (B7-2) are ligands of T cell critical costimulatory molecule CD28 and of an inhibitory receptor CTLA-4 (CD152). The both B7 molecules are expressed on professional antigen-presenting cells and are essential for T cell activation, the both molecules can also substitute for each other in this process. The question what are the differences in CD80 and CD86 competency has not been fully elucidated yet; there are still conflicts in results about their respective roles in initiation or sustaining of the T cell immune response.

## Product Info

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| **Amount :** | 100 tests |
| **Storage condition :** | Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. |

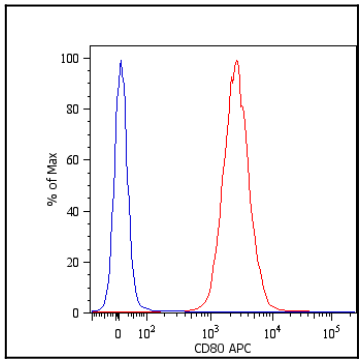


Figure 1: Surface staining of RAJI human Burkitt lymphoma cell line with anti-human CD80 (MEM-233) APC. Total viable cells were used for analysis.

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