

## Anti-B7-1 Antibody-PE (2N313)

### Product Details

Ig Type:	Rabbit IgG
Reactivity:	Mouse
Conjugation:	PE
Clone:	2N313
Purification:	Protein A

### Applications

Verified Activity:	Flow cytometric analysis of Mouse CD80 expression on BABL/c splenocytes. Cells were stained with PE-conjugated anti-Mouse CD80. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.
Application:	FCM
Recommended	5 µl/Test, 0.1 mg/ml

### Properties

Stability & Storage:	Store at 2°C-8°C for 12 months, do not freeze. Keep away from direct sunlight. Sodium azide is toxic to cells and should be disposed of properly. Flush with large volumes of water during disposal.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen:	Recombinant Protein: Mouse CD80/B7-1 Protein (TMPY-02307)
Antigen Species:	Mouse
Synonyms:	CD80 molecule
Biology Area:	Cancer Drug Targets

### Research Background

The B-lymphocyte activation antigen B7-1 (referred to as B7), also known as CD80, is a member of cell surface immunoglobulin superfamily and is expressed on the surface of antigen-presenting cells including activated B cells, macrophages and dendritic cells. As costimulatory ligands, B7-1 which exists predominantly as dimer and the related protein B7-2, interact with the costimulatory receptors CD28 and cytotoxic T lymphocyte-associated antigen 4 (CTLA-4) expressed on T cells, and thus constitute one of the dominant pathways that regulate T cell activation and tolerance, cytokine production, and the generation of CTL. The B7/CD28/CTLA4 pathway has the ability to both positively and negatively regulate immune responses. CD80 is thus regarded as promising therapeutic targets for autoimmune diseases and various carcinomas.

Cancer Immunotherapy  
 Co-inhibitory Immune Checkpoint Targets  
 Immune Checkpoint Detection: Antibodies  
 Immune Checkpoint Detection: ELISA  
 Antibodies  
 Immune Checkpoint Detection: FCM  
 Antibodies  
 Immune Checkpoint Detection: IHC  
 Antibodies  
 Immune Checkpoint Detection: WB  
 Antibodies  
 Immune Checkpoint Proteins  
 Immune Checkpoint Targets  
 Immunotherapy  
 Targeted Therapy

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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