

Anti-B7-1 Antibody (4I630)

Product Details

Ig Type:	Mouse IgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	4I630
Purification:	Protein A

Applications

Verified Activity:	Flow cytometric analysis of Human B7-1(CD80) expression on Daudi cells. Cells were stained with purified anti-Human B7-1(CD80), then a FITC-conjugated second step antibody. The histogram were derived from gated events with the forward and side light-scatter characteristics of intact cells.
Application:	ELISA,FCM
Recommended	ELISA: 1:1000-1:2000; FCM: 1:25-1:100

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human CD80 / B7-1 Protein (TMPY-01063)
Antigen Species:	Human
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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