Data Sheet (Cat.No.TMAY-00720F)

TargetMol

Anti-PD-1 Antibody-FITC (4J260)

Product Details

Ig Type:	Mouse IgG1
Reactivity:	Human
Conjugation:	FITC
Clone:	4J260
Purification:	Protein A

Applications

Verified Activity:	Flow cytometric analysis of Human PD-1 (CD279) expression on PHA-activated human whole blood Lymphocytes. Cells were stained with FITC-conjugated anti-Human PD-1 (CD279). The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of viable Lymphocytes.
Application:	FCM
Recommended	10 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.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human PD1/PDCD1/CD279 Protein (TMPY-00897)
Antigen Species:	Human
Synonyms:	hSLE1;PD1;SLEB2;PD-1;hPD-1;CD279;hPD-l;programmed cell death 1
Biology Area:	ITIM/ITAM Immunoreceptors and Related Molecules, Cancer Drug Targets

Research Background

Programmed cell death 1, also known as PDCD1, is a type I transmembrane glycoprotein, and is an immunoreceptor belonging to the CD28/CTLA-4 family negatively regulates antigen receptor signaling by recruiting protein tyrosine phosphatase, SHP-2 upon interacting with either of two ligands, PD-L1 or PD-L2. PD1 inhibits the T-cell proliferation and production of related cytokines including IL-1, IL-4, IL-10 and IFN-γ by suppressing the activation and transduction of PI3K/AKT pathway. In addition, coligation of PD1 inhibits BCR-mediating signal by dephosphorylating key signal transducer. PD1 has been suggested to be involved in lymphocyte clonal selection and peripheral tolerance, and thus contributes to the prevention of autoimmune diseases. Furthermore, PD1 is shown to be a regulator of virus-specific CD8+ T cell survival in HIV infection. As a cell surface molecule, PDCD1 regulates the adaptive immune response. Engagement of PD-1 by its ligands PD-L1 or PD-L2 transduces a signal that inhibits T-cell proliferation, cytokine production, and cytolytic function.Cancer ImmunotherapyCo-inhibitory Immune Checkpoint TargetsImmune CheckpointImmune Checkpoint Blockade: Blocking AntibodiImmune Checkpoint Blockade: PD1 / PDCD1 / CD2Immune Checkpoint Detection: AntibodiesImmune Checkpoint Detection: ELISA AntibodiesImmune Checkpoint Detection: IHC AntibodiesImmune Checkpoint Detection: WB AntibodiesImmune Checkpoint ProteinsImmune Checkpoint TargetsImmunotherapyPD1 / PDCD1 / CD279 Immune CheckpointPD1 /

PDCD1 / CD279 Immune Checkpoint AntibodPD1 / PDCD1 / CD279 Immune Checkpoint ProteinTargeted Therapy

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481