

Anti-PD-1, Humanized Antibody (St6)

rev 11/21

CATALOG NO.: A2131-100 (100 µg)

BACKGROUND DESCRIPTION: The research-grade biosimilar is a humanized IgG4 monoclonal antibody that targets programmed death-1 (PD-1), a transmembrane protein belonging to the immunoglobulin (Ig) superfamily. PD-1 is an important immune checkpoint protein expressed on activated T-cells, B-cells, and macrophages. PD-1 is involved in the regulation of T cell functions, including those of effector CD8-positive T cells. PD-1 can also promote the differentiation of CD4-positive T cells into T regulatory cells, and is involved in safeguarding against autoimmunity. Binding of PD-1 to its ligands PD-L1 and PD-L2 prevent T-cell activation and cytokine production. PD-1 is expressed in many types of tumors including melanomas, and has been shown to play a role in anti-tumor immunity.

ALTERNATE NAMES: PDCD1, PD1, CD279, SLEB2, hPD-1, hPD-I

ANTIBODY TYPE: Monoclonal

HOST/ISOTYPE: CHO cells / Human IgG4

IMMUNOGEN: Human PD-1

FORM: Liquid

FORMULATION: In PBS buffer, pH 7.2

STORAGE CONDITIONS: Undiluted antibody solution should be stored at 4 °C in the dark and avoid freezing the solution

APPLICATIONS AND USAGE: In vivo studies

This information is only intended as a guide. The optimal dilutions must be determined by the user

RELATED PRODUCTS:

Anti-PD-L1, Human IgG1 Antibody (A2109)
Anti-PD-1 Biotinylated Antibody (A2073)
Anti-PD-1 (CD279), Rabbit Monoclonal Antibody (A1825)
Anti-PD-L1, Humanized Antibody (A1305)
Anti-PD-1, Humanized Antibody (A1307)

FOR RESEARCH USE ONLY! Not to be used on humans.