

Anti-PD-1 [11F5C5] Standard Size Ab03146-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG2a format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, Kappa

Clone Number: 11F5C5

Alternative Name(s) of Target: CD279; PD1; PD 1; hPD-1; PDCD1; Programmed cell death protein 1; Programmed cell death 1; Protein PD-1; CGMCC NO.16209; NAT105

UniProt Accession Number of Target Protein: Q15116

Published Application(s): WB, ELISA, IHC

Published Species Reactivity: Human

Immunogen: The original antibody was generated by immunizing BALB/c mice with recombinant human PD-1 protein comprising amino acids 32-160.

Specificity: This antibody binds the extracellular domain of the human PD-1. PD-1 is an immunosuppressive receptor having a molecular weight of 50 to 55 kD, a type 1 transmembrane glycoprotein belonging to immunoglobulin CD28 / CTLA-4 family members. It is an inhibitory receptor on antigen activated T-cells that plays a critical role in induction and maintenance of immune tolerance to self. It delivers inhibitory signals upon binding to ligands CD274/PDCD1L1 and CD273/PDCD1LG2.

Application Notes: This antibody is highly similar to the commercially available anti-PD-1 antibody NAT105. The binding specificity of this antibody towards human PD-1 was determined using ELISA. The original IgG2a antibody binds human PD_1 with an affinity constant of $7.13 \times 10^9 \text{ M}^{-1}$. This antibody is capable of detecting human PD-1 in a western blot assay. This antibody was used in the immunohistochemical staining of samples of T cell lymphomas and B cell lymphomas (CN109293775).

Antibody First Published in: [PMID:](#)

Note on publication:

Product Form

Size: 200 µg Purified antibody.

Purification:

Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.