

## Anti-PD-1 [11F5C5] Standard Size Ab03146-2.3

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

**Isotype and Format:** Mouse IgG2a, [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.