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Recombinant Human PDCD1/PD-1/CD279 Protein(C93S Mutant, C-6His)

产品货号: TP05313

第三版

别名: Programmed cell death protein 1; PDCD1; PD-1; hPD-1; CD279

描述: Programmed cell death protein 1 (PDCD1) is a single-pass type I membrane protein and contains 1 Ig-like V-type domain. PD-1 is a member of the extended CD28/CTLA-4 family of T cell regulators. PDCD1 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 PDCD1 inhibits BCR-mediated signal by dephosphorylating key signal transducer. PDCD1 has been suggested to be involved in lymphocyte clonal selection and peripheral tolerance, and thus contributes to the prevention of autoimmune diseases. 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.

配方: PBS

分子量: 16.8 kDa

序列: Leu25-Gln167, Cys93Ser

纯度: > 95% by HPLC

浓度:

内毒素: <1.0 EU per 1 μ g of protein (determined by LAL method)

存储: +4 °C 保存 (1-2 周). 长期保存在 -20 °C 或者 -70 °C. 避免反复冻融.