# Recombinant Human PD-1 (C-Fc)

货号: RB91EPT106

## gui_ge

50ug

## biao_da_su_zhu

Human Cells

## biao_qian

C-Fc

## fen_zi_liang

43.6 KDa

## biao_guan_fen_zi_liang

60-70 KDa, reducing conditions

## xing_tai

Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.

## chun_du

Greater than 95% as determined by reducing SDS-PAGE.

## nei_du_su_shui_ping

Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.

## huo_xing

Immobilized Human PD-1-Fc (Cat#CM81) at 2μg/ml (100 μl/well) can bind Anti-Human PD-1 mAb(Cat#GMP-A085). The ED50 of Human Anti-Human PD-1 mAb(Cat#GMP-A085) is 48.76 ng/ml.

## rong_jie_fang_fa

Always centrifuge tubes before opening.Do not mix by vortex or pipetting.
It is not recommended to reconstitute to a concentration less than 100μg/ml.
Dissolve the lyophilized protein in distilled water.
Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## chu_cun_fang_fa

Lyophilized protein should be stored at < -20° C, though stable at room temperature for 3 weeks.
Reconstituted protein solution can be stored at 4-7° C for 2-7 days.
Aliquots of reconstituted samples are stable at < -20° C for 3 months.

## yun_shu_tiao_jian

The product is shipped at ambient temperature.
Upon receipt, store it immediately at the temperature listed below.

## bei_jing_shuo_ming

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-mediating 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.

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