

PRODUCT INFORMATION

Target PD-1

Synonyms PDCD1;PD1;CD279;SLEB2

Recombinant human PD-1 protein with C-terminal **Description**

human Fc and 6×His tag

Delivery In Stock **Uniprot ID** Q15116 **Expression Host HEK293**

Tag C-Human Fc and 6×His Tag

Molecular

Purity

PD-1(Leu25-Gln167) hFc(Glu99-Ala330) 6×His tag Characterization

Molecular Weight 42.9 kDa after removal of the signal peptide.

The purity of the protein is greater than 90% as determined by SDS-PAGE and Coomassie blue

The protein has a predicted molecular mass of

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before

Formulation & lyophilization. Please see Certificate of Analysis Reconstitution

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

This protein is expressed in pro-B-cells and is thought to play a role in their differentiation. In mice, expression of this gene is induced in the thymus when anti-CD3 antibodies are injected and large numbers of thymocytes undergo apoptosis. Mice deficient for this gene bred on a

Background

BALB/c background developed dilated cardiomyopathy and died from congestive heart failure. These studies suggest that this gene product may also be important in T cell function and contribute to the prevention of autoimmune

diseases.

Usage Research use only

Conjugate Unconjugated







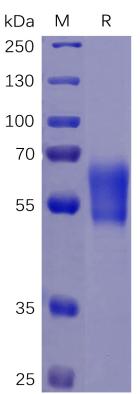


Figure 1. Human PD-1 Protein, hFc-His Tag on SDS-PAGE under reducing condition.

Human PD1, hFc-His Tagged protein ELISA

0.2 µg of PD1, hFc-His Tagged protein per well

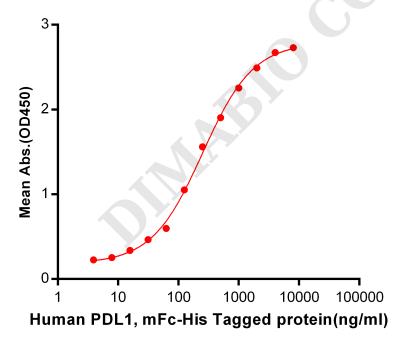


Figure 2. ELISA plate pre-coated by 2 μ g/ml (100 μ l/well) Human PD1, hFc-His tagged protein (PME100462) can bind Human PDL1, mFc-His tagged protein PME100023 in a linear range of 62.5-251.1 ng/ml.





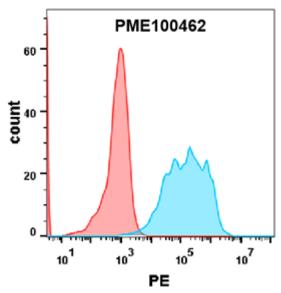


Figure 3. Flow cytometry analysis with $0.2 \mu g/ml$ Human PD-1 Protein, hFc-His tag (PME100462) on HEK293 cells transfected with human PD-L1 (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

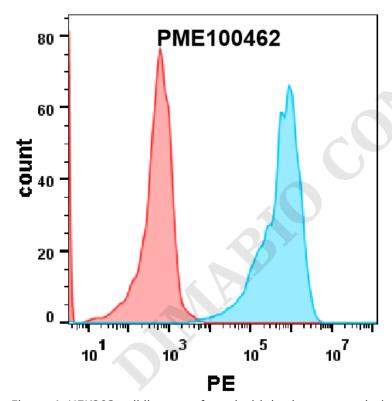


Figure 4. HEK293 cell line transfected with irrelevant protein (red histogram) and human PD-L2 protein(blue histogram)were surface stained with $2\mu g/mL$ Human PD-1 Protein, hFc-His tag (PME100462)followed by PE-conjugated Goat anti-human IgG secondary antibody.

Email: info@dimabio.com Website: www.dimabio.com

