

PD1 monoclonal antibody (Humanized)

Catalog: AP6666

Host: Human

Reactivity: Human

BackGround:

The humanized monoclonal anti-PD1 antibody can effectively block the combination between PDL1 and PD1, and will not cause HAMA reaction (anti mouse antibody response). Programmed cell death protein 1 (PD-1) (UniProt Q15116), is a type I single transmembrane protein encoded by the PDCD1 gene in human. T-cell activation is generally self-limited as activated T cells express receptors such as PD-1. Maintenance of peripheral tolerance by preventing the development of autoimmunity due to T lymphocytes specific for self-antigens is essential for homeostasis of the immune system. PD-1 can bind two different but related ligands, PDL-1 and PDL-2. PD-1 receptor and its ligands PD-L1 and PD-L2 play a vital role in the induction and maintenance of peripheral tolerance. The humanized monoclonal anti-PD1 antibody has demonstrated durable antitumor activity.

Product:

1mg/ml in PBS with 50% Glycerol.

Molecular Weight:

~ 32 kDa

Swiss-Prot:

Q15116

Purification&Purity:

Recombinant IgG antibodies were expressed and secreted by 293F cells and purified by Protein A.

Applications:

Neutralization/Block

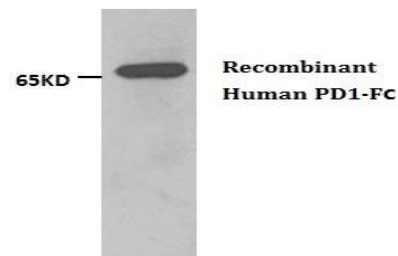
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

PD1 monoclonal antibody (Humanized) detects endogenous levels of human PD1 protein. Variable region genes (including VH & VL) of this antibody were derived from a single B cell by PCR.

DATA:



Western blot shows binding reaction of PD1 monoclonal antibody (Humanized) and recombinant human PD1 (with Fc tag). Recombinant human PD1 (Fc) was electrophoresed by SDS-PAGE and transferred on PVDF membrane. PVDF membrane was probed with PD1 monoclonal antibody (Humanized) followed by HRP-conjugated Anti-Human IgG Fab secondary Antibody.

Note:

For research use only, not for use in diagnostic procedure.

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