

# Anti-PD1 hlgG1 Antibody(Pembrolizumab)

## Product information

GM-88202AB-10	10 µg
GM-88202AB-100	100 µg
GM-88202AB-1000	1 mg

## Antibody Information

Species Reactivity	Human
Clone	Pembrolizumab
Source/Isotype	Human hlgG1, Kappa
Application	Bioactivity-ELISA
Target	Detects PD1
Gene	PD1
Other Names	PDCD1, PD1, CD279, SLEB2
Gene ID	6622 (Human)
Background	<p>PD-1 (Programmed cell death protein 1), also known as PD1 protein, is an immune regulatory receptor located on the surface of human cells. PD-1 is an immune checkpoint protein that regulates the activation and function of T cells by interacting with its ligands, PD-L1 (Programmed Cell Death Ligand 1) or PD-L2. PD-1 is primarily expressed on activated T cells and B cells, playing a role in suppressing immune responses and maintaining immune system balance.</p> <p>Research has shown that PD-1 protein plays an important role in the tumor microenvironment, where tumor cells can evade attacks from the immune system by binding to PD-L1. Therefore, the interaction between PD-1 and PD-L1 has become a critical target in tumor immunotherapy. Inhibiting the interaction between PD-1 and PD-L1 can restore the immune cells' ability to recognize and attack tumors, providing a new approach for tumor immunotherapy.</p>
Storage	Store at 2-8°C short term (1-2 weeks).Store at ≤ -20°C long term. Avoid repeated freeze-thaw.
Formulation	Supplied as a 0.2 µm filtered solution of PBS, pH7.2-7.4.
Endotoxin	< 1 EU/mg, determined by LAL gel clotting assay

## Data Examples

### Bioactivity-ELISA

Human PD1 Protein; hFc Tag (Catalog # GM-87595RP) was immobilized at 2 µg/ml (100 µL/well). Increasing concentrations of Anti-PD1 hIgG1 Antibody (Pembrolizumab) (Catalog # GM-88202AB) were added.

### Bioactivity-ELISA

0.2 µg Human PD1 Protein; hFc Tag of per well

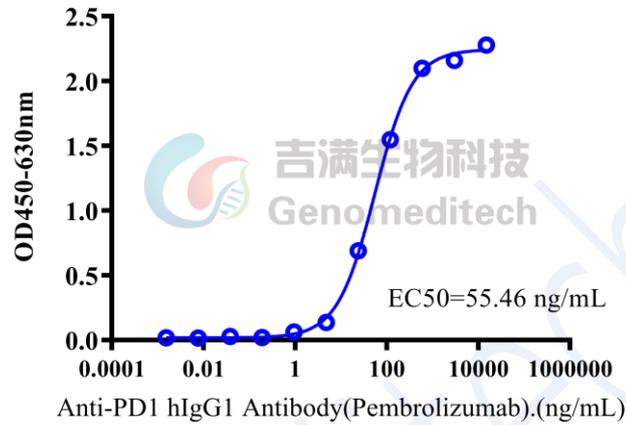


Fig. ELISA