

## 45-1084: Biotinylated Mouse Monoclonal Antibody to Pembrolizumab (Clone : 10E12C6)

|                                |                  |
|--------------------------------|------------------|
| <b>Clonality :</b>             | Monoclonal       |
| <b>Clone Name :</b>            | 10E12C6          |
| <b>Application :</b>           | ELISA            |
| <b>Conjugate :</b>             | Biotin           |
| <b>Format :</b>                | Purified         |
| <b>Isotype :</b>               | Mouse IgG1,Kappa |
| <b>Immunogen Information :</b> | Pembrolizumab    |

### Description

Pembrolizumab (Keytruda) is a humanized monoclonal antibody that is approved by the U.S. Food and Drug Administration for the treatment of patients with unresectable or metastatic melanoma. Pembrolizumab binds to the human cell surface receptor PD-1 (Programmed Cell Death Protein 1) and blocks its interaction with PD-L1, resulting in the activation of T-cell-mediated immune responses against tumor cells. Anti-Pembrolizumab Antibody (10E12C6)[BIOTIN], mAb, Mouse is produced from a hybridoma resulting from the fusion of SP2/0 myeloma and B-lymphocytes obtained from a mouse immunized with Pembrolizumab.

### Product Info

|                            |  |
|----------------------------|--|
| <b>Amount :</b>            | 40 µg  |
| <b>Purification :</b>      | Protein A chromatography   |
| <b>Content :</b>           | 0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide.  |
| <b>Storage condition :</b> | The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles. |

### Application Note

ELISA detection: 0.01-0.1 µg/ml

ELISA blocking: 10-50 µg/ml

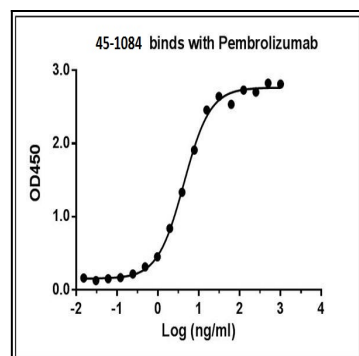


Figure-1 : ELISA binding of Pembrolizumab antibody (Clone: 10E12C6) binds with Pembrolizumab, Coating antigen: Pembrolizumab at 1 µg/ml, Pembrolizumab antibody dilution start from 1,000 ng/ml, EC50= 5.77 ng/ml.

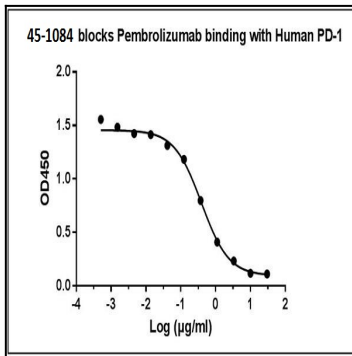


Figure-2 : ELISA blocking of Pembrolizumab antibody (Clone: 10E12C6) with Pembrolizumab binding with Human PD-1 recombinant protein, Coating antigen: Pembrolizumab at 1 µg/ml, PD-1-Fc-biotin final concentration: 20 ng/ml, Anti-Pembrolizumab antibody dilution start from 30 µg/ml, IC<sub>50</sub>= 0.37 µg/ml