

Rev08
Update: Aug,20,2025**DATASHEET**

Anti-Pembrolizumab Antibody(10E12C6) [Biotin], mAb, Mouse

Cat. No.: A01845

Overview

Specificity	The product is specific for Pembrolizumab.
Host Species	Mouse
Immunogen	Pembrolizumab
Conjugate	Biotin

Applications

Working concentrations for specific applications should be determined by the investigators. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

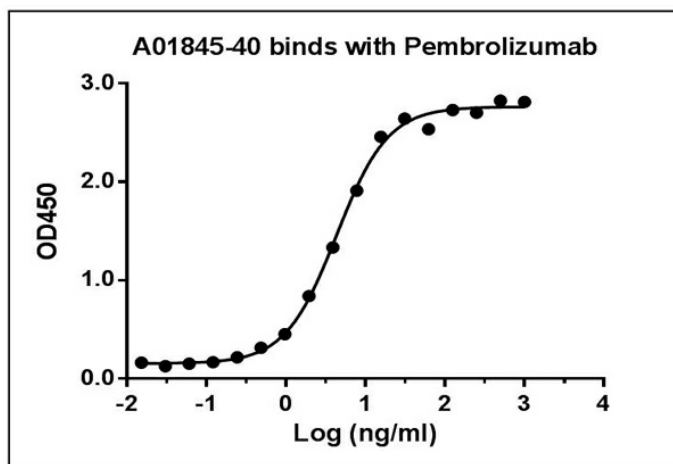
Application	Recommended Usage
ELISA	0.01-0.1 µg/ml
Competitive ELISA	10-50 µg/ml

Properties

Form	Lyophilized
Storage Buffer	Lyophilized with PBS, pH 7.4, containing 1% BSA and 0.02% sodium azide.
Reconstitution	Reconstitute the lyophilized powder with deionized water (or equivalent) to an final concentration of 0.5 mg/mL.
Storage Instructions	The lyophilized product remains stable for 1 year at -20°C from the date of receipt. Upon reconstitution, it can be stored for 2-3 weeks at 2-8°C or for 12 months at -20°C or below. Avoid repeated freeze and thaw cycles.
Purification	Protein A affinity column
Isotype	Mouse IgG1, κ

Clonality	Monoclonal
Clone ID	10E12C6
Note	GenScript can customize this product per customer's request including product size, buffer components, etc.

Examples



Anti-Pembrolizumab antibody (10E12C6) (GenScript, A01845-40) binds with Pembrolizumab. While the antibody does not recognize the human IgG Fc fragment (data not shown).
Coating antigen: Pembrolizumab, 1 µg/ml.
Anti-Pembrolizumab antibody (GenScript, A01845-40) dilution start from 1,000 ng/ml,
EC50= 5.77 ng/ml

Background

Target Background : 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. GenScript 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.

Synonyms : Mouse monoclonal to Keytruda

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.

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