Rev08
Update: Aug,31,2026

DATASHEET

Anti-Atezolizumab Antibody (6B12), mAb, Mouse

Cat. No.: A01949

Overview

Specificity	The product is specific for Atezolizumab. The antibody is recommended as a detection antibody in a pharmacokinetic (PK) bridging assay with capture antibody GenScript, A01948-40, Anti-Atezolizumab Antibody (10G9), mAb, Mouse.
Host Species	Mouse
Immunogen	Atezolizumab
Conjugate	Unconjugated

Applications

Working concentrations for specific applications should be determined by the investigators. The appropriate concentration 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.

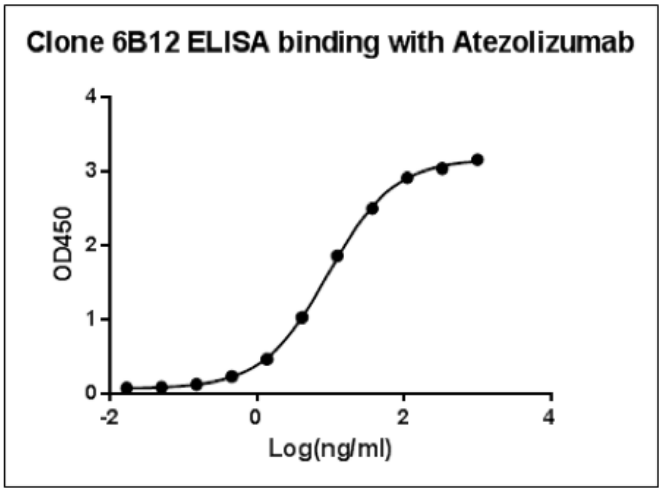
Application	Recommended Usage
ELISA	0.01-1 μg/ml

Properties

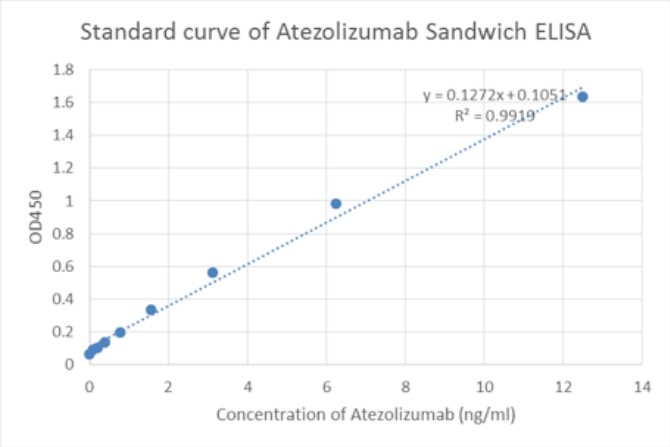
Form	Lyophilized
Storage Buffer	lyophilized with PBS, pH 7.4, contains 0.02% sodium azide.
Reconstitution	Reconstitute the lyophilized powder with deionized water (or equivalent) to an final concentration of 0.5 mg/mL.
Storage Instructions	The lyophilized product remains stable for 1 year at -20°C from 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 freeze/thaw cycles.
Purification	Protein A affinity column
Isotype	Mouse IgG1,κ
Clonality	Monoclonal

Clone ID	6B12
Note	GenScript can customize this product per customer's request including product size, buffer components, etc.

Examples



Anti-Atezolizumab Antibody (6B12), mAb, Mouse (GenScript, A01949-40) binds with Atezolizumab. While the antibody does not recognize the human IgG Fc fragment (data not shown).
Coating antigen: Atezolizumab, 1 μg/ml.
Anti-Atezolizumab antibody (GenScript, A01949-40) dilution start from 1,000 ng/ml.
EC_{50}= 9.356 ng/ml.



Standard curve of Atezolizumab Sandwich ELISA. The Atezolizumab Sandwich ELISA assay is developed by using Anti-Atezolizumab Antibody (10G9), mAb, Mouse (GenScript, A01948-40) and Anti-Atezolizumab Antibody (6B12), mAb, Mouse (GenScript, A01949-40) as capture and detection antibody, respectively.
In this ELISA assay, Anti-Atezolizumab Antibody (6B12), mAb, Mouse (GenScript, A01949-40) was labeled with Biotin.
GenScript can provide customized conjugation service for this product per customer's request. The sensitivity of detecting Rituximab is about 97 pg/ml.

Background

Target Background : Atezolizumab is a fully humanized, engineered monoclonal antibody of IgG1 isotype against the protein programmed cell death-ligand 1 (PD-L1). Atezolizumab blocks the interaction of PD-L1 with programmed cell death protein 1 (PD-1) and CD80 receptors (B7-1Rs). PD-L1 can be highly expressed on certain tumors, which is thought to lead to reduced activation of immune cells (cytotoxic T-cells in particular) that might otherwise recognize and attack the cancer. Inhibition of PD-L1 by atezolizumab can remove this inhibitor effect and thereby engender an anti-tumor response. It is one of several ways to block inhibitory signals related to T-cell activation, a more general strategy known as "immune checkpoint inhibition."

Synonyms : Mouse monoclonal to Tecentriq

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