

# Anti-Atezolizumab Antibody (6B12) [Biotin], mAb, Mouse

## PRODUCT INFORMATION

### Description

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."

### 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.

### Concentration

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 1% BSA and 0.02% sodium azide. (It may be customized for bulk orders.)

### Note

GenScript can customize this product per the customer's request including product size, buffer components, etc.

### Reconstitution

Reconstitute the lyophilized antibody with deionized water (or equivalent) to a final concentration of 0.5 mg/ml.

### Storage

The lyophilized product remains stable up to 1 year at -20 °C from date of receipt. Upon reconstitution, it can be stored for 2-3 weeks at 2-8 °C or for up to 12 months at -20 °C or below. Avoid repeated freezing and thawing cycles.

### 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

**Cat. No.:** A01950-40

**Host:** Mouse

**Size:** 40 µg

**Ig Subclass:** IgG1,K

**Clone:** 6B12

**Immunogen:** Atezolizumab

**Purification:** Protein A affinity column

**Conjugation:** Biotin

**Version:** 12/8/2017

\*\* For non-clinical research use only. \*\*

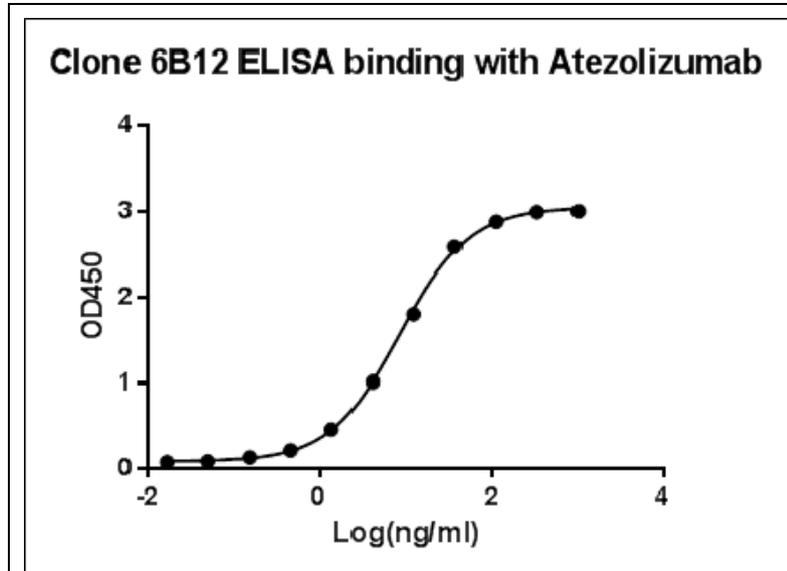
860 Centennial Ave., Piscataway, NJ 08854, USA

starting points for this product.

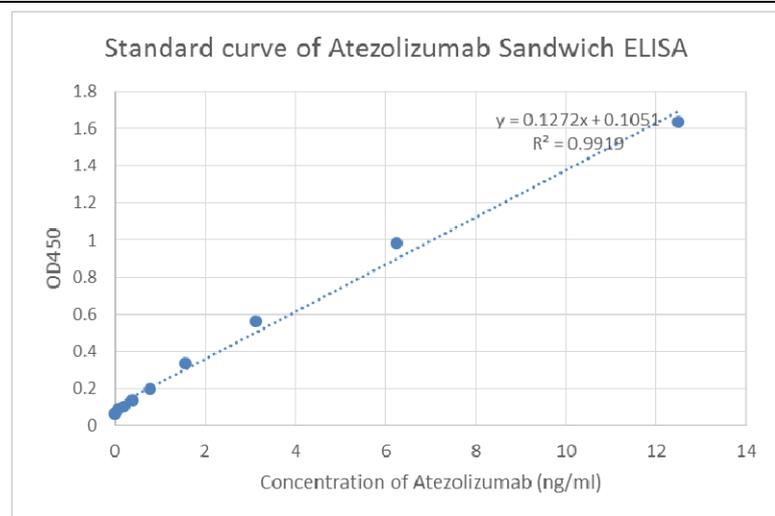
ELISA detection: 0.01-1 µg/ml

Other applications: user-optimized

### Example



**Anti-Atezolizumab Antibody (6B12), mAb, Mouse** (GenScript, A01950-40) 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, A01950-40) dilution start from 1,000 ng/ml.  
 $EC_{50} = 8.464$  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) [Biotin], mAb, Mouse** (GenScript, A01950-40) as capture and detection antibody, respectively. The sensitivity of detecting Rituximab is about 97 pg/ml.

\*\* For non-clinical research use only. \*\*

**860 Centennial Ave., Piscataway, NJ 08854, USA**