

## **MonoRab™ Anti-Atezolizumab Antibody (43H11) [Biotin], mAb, Rabbit**

### **PRODUCT INFORMATION**

#### **Description**

Atezolizumab is a fully humanized monoclonal antibody that is approved by the U.S. Food and Drug Administration for the treatment of metastatic non-small cell lung cancer (NSCLC). It binds to the protein programmed cell death-ligand 1 (PD-L1) on several tumors. Atezolizumab has ability to block the binding of PD-L1 with PD-1 and CD80 receptors (B7-1Rs), which has a positive effect on improving an anti-tumor response.

**GenScript MonoRab™ Anti-Atezolizumab Antibody (43H11), mAb, Rabbit** is produced from a hybridoma resulting from the fusion of partner and B-lymphocytes obtained from a rabbit immunized with Atezolizumab.

#### **Specificity**

The antibody is recommended as a detection antibody in a pharmacokinetic (PK) bridging assay with capture antibody GenScript, A01984-40, MonoRab™ Anti-Atezolizumab Antibody (55D8), mAb, Rabbit.

#### **Concentration**

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 1% BSA and 0.02% sodium azide.

#### **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 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.

ELISA detection: 0.01-0.1 µg/ml

Other applications: user-optimized

#### **Example**

**Cat. No.:** A01986-40

**Host:** Rabbit

**Size:** 40 µg

**Ig Subclass:** IgG

**Clone:** 43H11

**Immunogen:** Atezolizumab

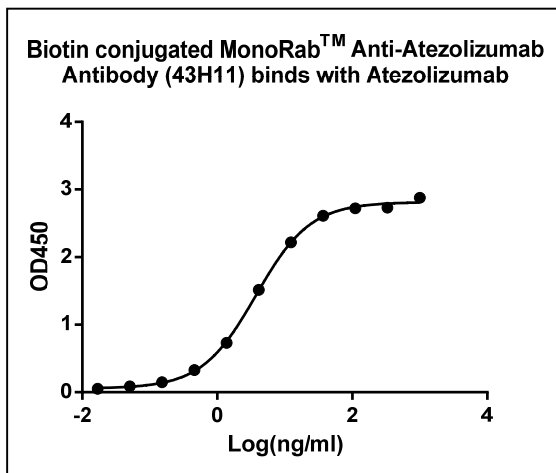
**Purification:** Protein A affinity column

**Conjugation:** Biotin

**Version:** 8/13/2018

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

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

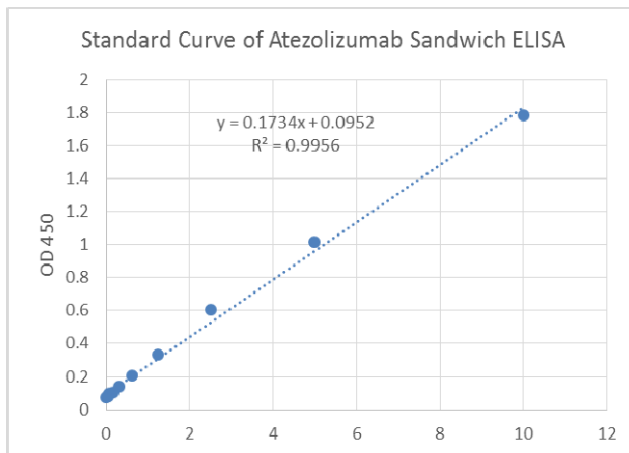


ELISA binding of MonoRab™ Anti-Atezolizumab Antibody (43H11) [Biotin] (GenScript, A01986-40) with Atezolizumab. While the antibody does not recognize the human IgG Fc fragment (data not shown).

Coating antigen: Atezolizumab, 1 µg/ml.

MonoRab™ Anti-Atezolizumab Antibody (43H11) [Biotin] (GenScript, A01986-40) dilutions start from 1,000 ng/ml.

EC50= 3.749 ng/ml.



Standard curve of Atezolizumab Sandwich ELISA. The Atezolizumab Sandwich ELISA assay is developed by using MonoRab™ Anti-Atezolizumab Antibody (55D8), mAb, Rabbit (GenScript, A01984-40) and MonoRab™ Anti-Atezolizumab Antibody (43H11) [Biotin] (GenScript, A01986-40) as the capture and detection antibodies, respectively.

The sensitivity of detecting Atezolizumab is up to 156 pg/ml.

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