

MonoRab™ Anti-Atezolizumab Antibody (55D8), 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 (55D8), 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 capture antibody in a pharmacokinetic (PK) bridging assay with detection antibody GenScript, A01985-40, MonoRab™ Anti-Atezolizumab Antibody (43H11), mAb, Rabbit.

Concentration

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 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 capture: 0.01-0.1 µg/ml

ELISA blocking: 10-50 µg/ml

Other applications: user-optimized

Example

Cat. No.: A01984-40

Host: Rabbit

Size: 40 µg

Ig Subclass: IgG

Clone: 55D8

Immunogen: Atezolizumab

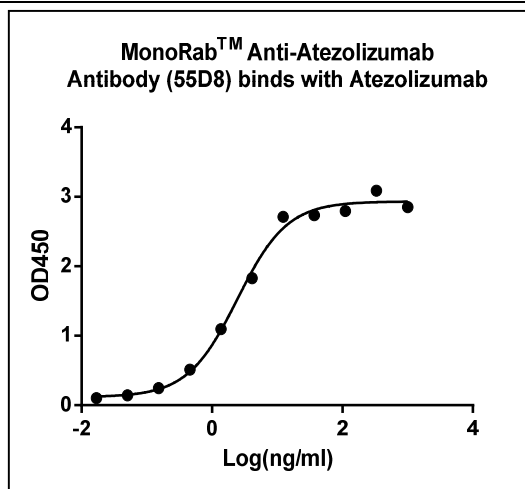
Purification: Protein A affinity column

Conjugation: Unconjugated

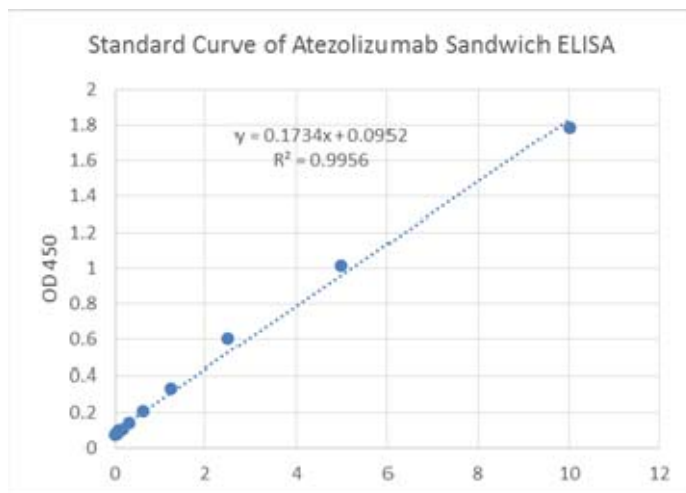
Version: 8/15/2018

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860 Centennial Ave., Piscataway, NJ 08854, USA



ELISA binding of MonoRab™ Anti-Atezolizumab Antibody (55D8) (GenScript, A01984-40) 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 (55D8) (GenScript, A01984-40) dilutions start from 1,000 ng/ml.
 EC50= 2.446 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) (Genscript, A01985-40) as the capture and detection antibodies, respectively.

In this ELISA assay, MonoRab™ Anti-Atezolizumab Antibody (43H11) (GenScript, A01985-40) was labeled with Biotin. GenScript can provide customized conjugation services for this product per the customer's request.

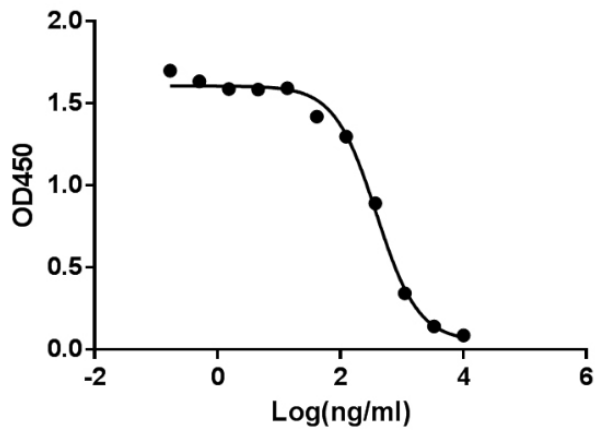
The sensitivity of detecting Atezolizumab is up to 156 pg/ml.

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**MonoRab™ Anti-Atezolizumab Antibody (55D8) blocks
Atezolizumab binding with Human PD-L1**



MonoRab™ Anti-Atezolizumab Antibody (55D8), mAb, Rabbit (GenScript, A01984-40) blocks Atezolizumab binding with Human PD-L1 recombinant protein (Z03371, PD-L1 Fc Chimera, Human).

Coating antigen: Atezolizumab, 1 µg/ml.

PD-L1-Fc-biotin final concentration: 10 ng/ml.

Anti-Atezolizumab antibody dilutions start from 10 µg/ml.

IC50= 0.39 µg/ml

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