

MonoRab™ Anti-Nivolumab Antibody (47F6), mAb, Rabbit

PRODUCT INFORMATION

Description

Nivolumab is a fully human monoclonal IgG4 antibody that is approved by the U.S. Food and Drug Administration for the treatment of bladder cancer. It binds to the programmed cell death protein 1 (PD-1) on the surface of activated T cells. Nivolumab functions as PD-1 inhibitor for targeted immunotherapy.

GenScript MonoRab™ Anti-Nivolumab Antibody (47F6), mAb, Rabbit is produced from a hybridoma resulting from the fusion of partner and B-lymphocytes obtained from a rabbit immunized with Nivolumab.

Specificity

Nivolumab

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 detection: 0.01-0.1 µg/ml

Other applications: user-optimized

Cat. No.: A01990-40

Host: Rabbit

Size: 40 µg

Ig Subclass: IgG

Clone: 47F6

Immunogen: Nivolumab

Purification: Protein A affinity column

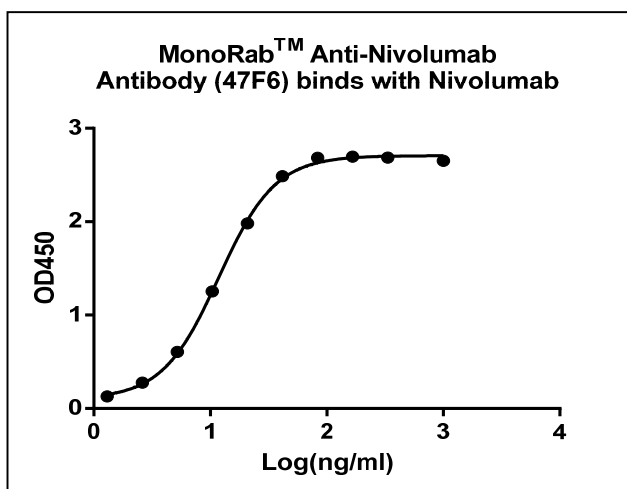
Conjugation: Unconjugated

Version: 8/14/2018

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

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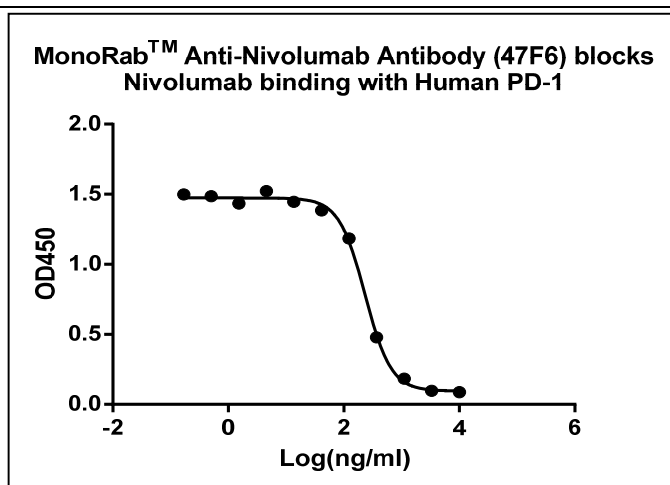
Example


ELISA binding of MonoRab™ Anti-Nivolumab Antibody (47F6) (GenScript, A01990-40) with Nivolumab. While the antibody does not recognize the human IgG Fc fragment (data not shown).

Coating antigen: Nivolumab, 1 µg/ml.

MonoRab™ Anti-Nivolumab Antibody (47F6) (GenScript, A01990-40) dilutions start from 1,000 ng/ml.

EC50= 11.82 ng/ml.



MonoRab™ Anti-Nivolumab Antibody (47F6), mAb, Rabbit (GenScript, A01990-40) blocks Nivolumab binding with Human PD-1 recombinant protein (Z03370, PD-1 Fc Chimera, Human).

Coating antigen: Nivolumab, 1 µg/ml.

PD-1-Fc-biotin final concentration: 10 ng/ml.

MonoRab™ Anti-Nivolumab Antibody (47F6), mAb, Rabbit (GenScript, A01990-40) dilutions start from 10 µg/ml.

IC50= 0.10 µg/ml

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