

Rev05
Update: Jan,07,2025

DATASHEET

Anti-Durvalumab Antibody (15D6), mAb, Mouse

Cat. No.: A02031

Overview

Specificity	The product is specific for Durvalumab.
Host Species	Mouse
Immunogen	Durvalumab
Conjugate	Unconjugated

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.

Application	Recommended Usage
ELISA	0.01-0.1 µg/ml
Competitive ELISA	5-30 µg/ml

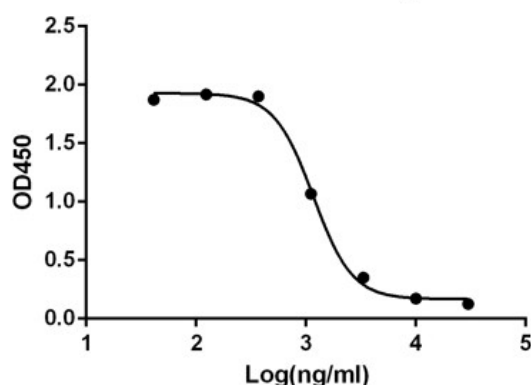
Properties

Form	Lyophilized
Storage Buffer	Lyophilized with PBS, pH 7.4, containing 0.02% sodium azide.
Reconstitution	Reconstitute the lyophilized powder with deionized water (or equivalent) to a final concentration of 0.5 mg/ml.
Storage Instructions	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.
Purification	Protein A affinity column
Isotype	Mouse IgG2a,k

Clonality	Monoclonal
Clone ID	15D6
Note	GenScript can customize this product per customer's request including product size, buffer components, etc.

Examples

Anti-Durvalumab Antibody (15D6) blocks Durvalumab binding with PD-L1



Anti-Durvalumab Antibody (15D6) (GenScript, A02031-40) blocks Durvalumab binding with PD-L1 protein.

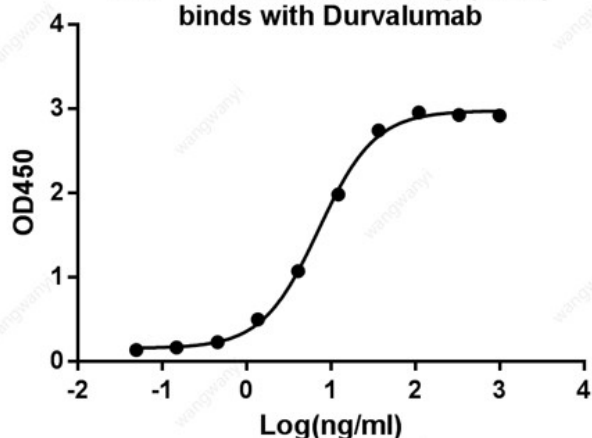
Coating antigen: Durvalumab, 0.5 µg/ml.

PD-L1 final concentration: 30 ng/ml.

Anti-Durvalumab Antibody (15D6) (GenScript, A02031-40) dilutions start from 30 µg/ml.

IC₅₀ = 1.37 µg/ml.

Anti-Durvalumab Antibody (15D6) binds with Durvalumab



ELISA binding of Anti-Durvalumab Antibody (15D6), mAb, Mouse (GenScript, A02031-40) with Durvalumab. While the antibody does not recognize the human IgG (data not shown).

Coating antigen: Durvalumab, 1 µg/ml.

Anti-Durvalumab Antibody (15D6), mAb, Mouse (GenScript, A02031-40) dilution start from 1,000 ng/ml.

EC₅₀ = 7.222 ng/ml.

Background

Target Background : Durvalumab with trade name Imfinzi, is an FDA-approved anti-cancer drug. It is known as a checkpoint inhibitor drug, developed by Medimmune/AstraZeneca. Durvalumab is a human IgG1κ monoclonal antibody. It blocks the interaction of programmed cell death ligand 1 (PD-L1) with the PD-1 (CD279). Anti-Durvalumab Antibody (15D6), mAb, Mouse is produced from a hybridoma resulting from the fusion of partner and B-lymphocytes obtained from a mouse immunized with Durvalumab.

Synonyms : Mouse monoclonal antibody to Imfinzi

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.

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