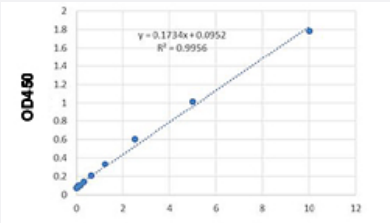
Anti-Atezolizumab recombinant monoclonal antibody, clone 55D8

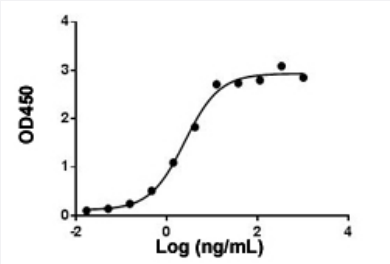
Catalog # RAB09589 Size 40 ug

Applications



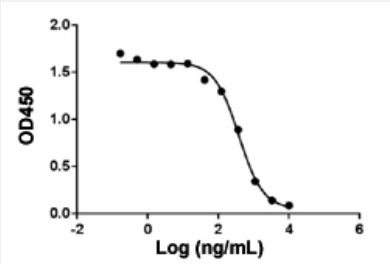
Sandwich ELISA

Standard curve of Atezolizumab Sandwich ELISA. The Atezolizumab Sandwich ELISA assay is developed by using Anti-Atezolizumab monoclonal antibody, clone 55D8 (Cat # RAB09589) and Anti-Atezolizumab monoclonal antibody, clone 43H11 (Cat # RAB09590) as the capture and detection antibodies, respectively. In this ELISA assay, Anti-Atezolizumab monoclonal antibody, clone 43H11 (Cat # RAB09590) was labeled with Biotin. The sensitivity of detecting Atezolizumab is up to 156 pg/mL.



Enzyme-linked Immunoabsorbent Assay

ELISA binding of Anti-Atezolizumab monoclonal antibody, clone 55D8 (Cat # RAB09589) with Atezolizumab. While the antibody does not recognize the human IgG Fc fragment (data not shown). Coating antigen: Atezolizumab, 1 ug/mL. Anti-Atezolizumab monoclonal antibody, clone 55D8 (Cat # RAB09589) dilutions start from 1000 ng/mL. EC_{50} = 2.446 ng/mL.



Blocking

Anti-Atezolizumab monoclonal antibody, clone 55D8 (Cat # RAB09589) blocks Atezolizumab binding with Human PD-L1 recombinant protein (PD-L1 Fc Chimera, Human). Coating antigen: Atezolizumab, 1 ug/mL. PD-L1-Fc-biotin final concentration: 10 ng/mL. Anti-Atezolizumab monoclonal antibody, clone 55D8 (Cat # RAB09589) dilutions start from 10 ug/mL. IC_{50} = 0.39 ug/mL.

Specification

Product Description	Recombinant rabbit monoclonal antibody raised against Atezolizumab. Target gene is PD-L1.

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Immunogen	Atezolizumab.
Host	Rabbit
Specificity	The antibody is recommended as a capture antibody in a pharmacokinetic (PK) bridging assay with detection antibody Anti-Atezolizumab recombinant monoclonal antibody, clone 43H11 (Cat # RAB09590).
Form	Lyophilized
Preparation Method	This antibody is produced from a hybridoma resulting from the fusion of partner and B-lymphocytes obtained from a rabbit immunized with Atezolizumab.
Purification	Protein A purification
Isotype	IgG
Recommend Usage	ELISA (ELISA capture: 0.01-0.1 ug/mL; ELISA blocking: 10-50 ug/mL) (Direct/Indirect/Inhibitory ELISA) Sandwich ELISA The optimal working dilution should be determined by the end user.
Inhibitory IC50	0.391 ug/mL
Storage Buffer	Lyophilized from PBS, pH 7.4 (0.02% sodium azide).
Storage Instruction	Store at -20°C. The lyophilized product remains stable up to 1 year at -20°C from date of receipt. After reconstitution with deionized water (or equivalent) to a final concentration of 0.5 mg/mL, it can be stored for 2-3 weeks at 2-8°C or for up to 12 months at -20°C or below. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Sandwich ELISA

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Gene Info — CD274

Entrez GeneID	29126
Gene Name	CD274
Gene Alias	B7-H, B7H1, MGC142294, MGC142296, PD-L1, PDCD1L1, PDCD1LG1, PDL1
Gene Description	CD274 molecule
Omim ID	605402
Gene Ontology	Hyperlink
Other Designations	CD274 antigen|OTTHUMP00000021029|programmed cell death 1 ligand 1

Pathway

- Cell adhesion molecules (CAMs)

Disease

- Addison Disease
- Arthritis
- Autoimmune Diseases
- Diabetes Mellitus
- Genetic Predisposition to Disease
- Graves Disease
- Lupus Erythematosus
- Multiple Sclerosis

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- Narcolepsy
- Rheumatoid Nodule

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