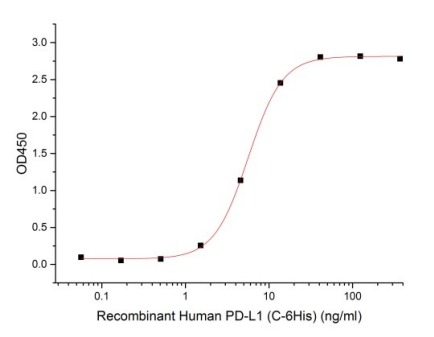
RecomAb™

CD274 recombinant monoclonal antibody (Atezolizumab)

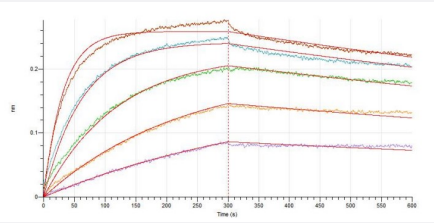
Catalog # RAB09696 Size 50 ug

Applications



Enzyme-linked Immunoabsorbent Assay

Immobilized CD274 recombinant monoclonal antibody (Cat# RAB09696) at 2 ug/mL (100 uL/well) can bind Human CD274-His. The ED_{50} of Human CD274-6His is 5.57 ng/mL .



Bio-layer interferometry

Loaded Rat CD274-His on HIS1K Biosensor, can bindCD274 recombinant monoclonal antibody (Cat# RAB09696) with an affinity constant of 0.90 nM as determined in BLI assay.

Greater than 95% as determined by reducing SDS-PAGE.

Specification

Product Description	Recombinant human monoclonal antibody raised against human CD274.

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Host	Human
Theoretical MW (kDa)	49.0, 23.4
Form	Liquid
Preparation Method	Mammalian expression system
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Endotoxin Level	< 1 EU/ug as determined by LAL test.
Isotype	Human IgG1
Regulatory Status	For research use only (RUO)
Recommend Usage	ELISA BLI assay The optimal working dilution should be determined by the end user.
Storage Buffer	In 20mM Histidine, 8%Sucrose, 0.06% Tween80, pH5.0 (0.2 um filtered solution).
Storage Instruction	Store at -20°C. Avoid multiple freeze-thaw cycles.

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Gene Info — CD274

Entrez GeneID	29126
Protein Accession#	Q9NZQ7
Gene Name	CD274
Gene Alias	B7-H, B7H1, MGC142294, MGC142296, PD-L1, PDCD1L1, PDCD1LG1, PDL1
Gene Description	CD274 molecule

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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
- Narcolepsy
- Rheumatoid Nodule

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