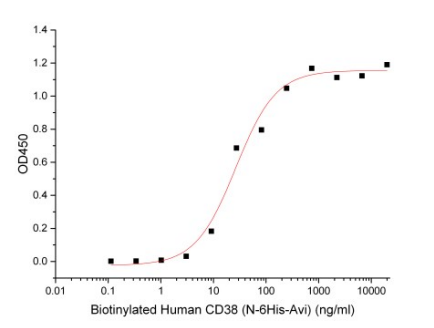
RecomAb™

CD38 recombinant monoclonal antibody (Daratumumab)

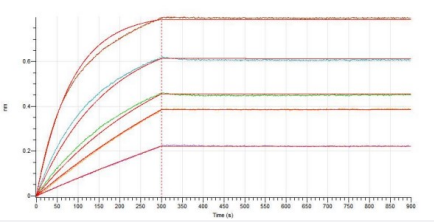
Catalog # RAB09705 Size 50 ug

Applications



Enzyme-linked Immunoabsorbent Assay

Immobilized CD38 recombinant monoclonal antibody (Cat#RAB09705) at 2 ug/mL (100 uL/well) can bind Human CD38-His-Avi. The ED_{50} of Human CD38-His-Avi is 24.54 ng/mL .



Bio-layer interferometry

Loaded Biotinylated Human CD38-His on HIS1K Biosensor, can bind CD38 recombinant monoclonal antibody (Cat#RAB09705) with an affinity constant of 0.006 nM as determined in BLI assay.

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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Greater than 95% as determined by SEC-HPLC.

Specification

Product Description	Recombinant human monoclonal antibody raised against human CD38.
Host	Human
Theoretical MW (kDa)	49.3, 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 PBS, pH7.4 (0.2 um filtered solution).
Storage Instruction	Store at -20°C. Avoid multiple freeze-thaw cycles.

Applications

- Enzyme-linked Immunoabsorbent Assay

  Immobilized CD38 recombinant monoclonal antibody (Cat#RAB09705) at 2 ug/mL (100 uL/well) can bind Human CD38-His-Avi. The ED_{50} of Human CD38-His-Avi is 24.54 ng/mL .

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Bio-layer interferometry

  Loaded Biotinylated Human CD38-His on HIS1K Biosensor, can bind CD38 recombinant monoclonal antibody (Cat#RAB09705) with an affinity constant of 0.006 nM as determined in BLI assay.

Gene Info — CD38

Entrez GeneID	952
Protein Accession#	P28907
Gene Name	CD38
Gene Alias	T10
Gene Description	CD38 molecule
Omim ID	107270
Gene Ontology	Hyperlink
Gene Summary	CD38 is a novel multifunctional ectoenzyme widely expressed in cells and tissues especially in leu kocytes. CD38 also functions in cell adhesion,signal transduction and calcium signaling. [provide d by RefSeq
Other Designations	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase|CD38 antigen|CD38 antigen (p45)|cyclic ADP-r ibose hydrolase

Pathway

- Calcium signaling pathway
- Hematopoietic cell lineage
- Metabolic pathways
- Nicotinate and nicotinamide metabolism

Disease

- Cell Transformation
- Child Development Disorders

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Diabetes Mellitus
- Genetic Predisposition to Disease
- Leukemia
- Lupus Erythematosus
- Lymphoma
- Osteoporosis

Copyright © 2023 Abnova Corporation. All Rights Reserved.