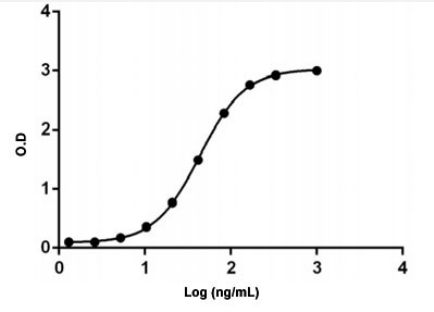
Anti-Daratumumab recombinant monoclonal antibody, clone 9A6

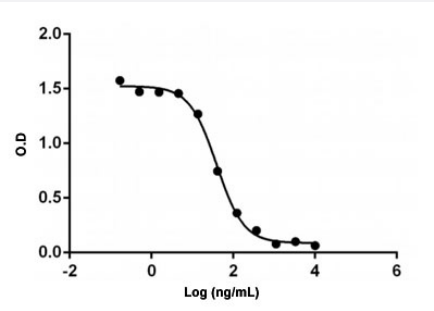
Catalog # RAB09604 Size 40 ug

Applications



Enzyme-linked Immunoabsorbent Assay

ELISA binding of Anti-Daratumumab monoclonal antibody, clone 9A6 (Cat # RAB09604) with Daratumumab. Coating antigen: Daratumumab, 1 ug/mL. Anti Daratumumab monoclonal antibody, clone 9A6 dilutions start from 1000 ng/mL. EC_{50}= 43.43 ng/mL. While the antibody does not recognize the human IgG Fc fragment (data not shown).



Blocking

Anti-Daratumumab monoclonal antibody, clone 9A6 (Cat # RAB09604) blocks Daratumumab binding with Human CD38 recombinant protein. Coating antigen: CD38 0.5 ug/mL. Daratumumab final concentration: 60 ng/mL. Anti-Daratumumab monoclonal antibody, clone 9A6 dilutions start from 30 ug/mL. IC_{50} = 0.1178 ug/mL.

Specification

Product Description	Recombinant mouse monoclonal antibody raised against Daratumumab. Target gene is CD38.
Immunogen	Daratumumab.
Host	Mouse
Specificity	The product is specific for Daratumumab.
Form	Lyophilized
Preparation Method	The antibody is produced from a hybridoma resulting from the fusion of partner and B-lymphocytes obtained from a mouse immunized with Daratumumab.

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Purification	Protein A purification
Isotype	IgG1
Recommend Usage	Blocking (0.1-10 ug/mL) ELISA ((Direct/Inhibitory)) The optimal working dilution should be determined by the end user.
Inhibitory IC50	0.118 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 b e 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 shoul d be handled by trained staff only.

Applications

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Gene Info — CD38

Entrez GeneID	952
Gene Name	CD38
Gene Alias	T10
Gene Description	CD38 molecule
Omim ID	107270
Gene Ontology	Hyperlink

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

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