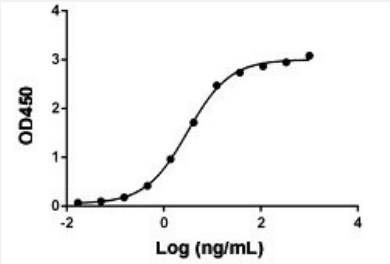
Anti-Daratumumab recombinant monoclonal antibody, clone 139B10

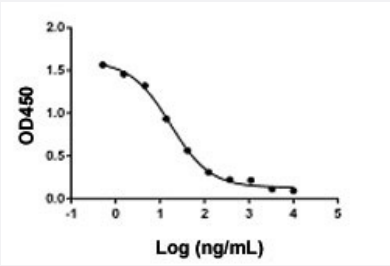
Catalog # RAB09635 Size 40 ug

Applications



Enzyme-linked Immunoabsorbent Assay

Anti-Daratumumab monoclonal antibody, clone 139B10 (Cat # RAB09635) binds with Daratumumab. Coating antigen: Daratumumab, 1 ug/mL. Anti-Daratumumab monoclonal antibody, clone 139B10 (Cat # RAB09635) dilution start from 1000 ng/mL. EC_{50} = 3.092 ng/mL. While the antibody does not recognize the human IgG Fc fragment (data not shown).



Blocking

Anti-Daratumumab monoclonal antibody, clone 139B10 (Cat # RAB09635) blocks Daratumumab binding with Human CD38 protein. Coating antigen: CD38 protein, 1 ug/mL. Daratumumab-biotin final concentration: 10 ng/mL. Anti-Daratumumab monoclonal antibody, clone 139B10 (Cat # RAB09635) dilution start from 10 ug/mL. IC_{50} = 17.11 ng/mL.

Specification

Product Description	Recombinant rabbit monoclonal antibody raised against Daratumumab. Target gene is CD38.
Immunogen	Daratumumab.
Host	Rabbit
Specificity	The product is specific for Daratumumab.
Form	Lyophilized

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Preparation Method	This antibody is produced from a hybridoma resulting from the fusion of partner and B-lymphocytes obtained from a rabbit immunized with Daratumumab.
Purification	Protein A purification
Isotype	IgG
Recommend Usage	Blocking ELISA (ELISA detection: 0.01-0.1 ug/mL) (Direct/Inhibitory ELISA) The optimal working dilution should be determined by the end user.
Inhibitory IC50	0.017 ug/mL
Storage Buffer	Lyophilized from PBS, pH 7.4 (0.02% sodium azide).
Storage Instruction	Store at -20°C on dry atmosphere, lyophilized antibodies are stable at 1 years. 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

- ### Enzyme-linked Immunoabsorbent Assay

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Gene Info — CD38

Entrez GeneID	952
Gene Name	CD38
Gene Alias	T10
Gene Description	CD38 molecule

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

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