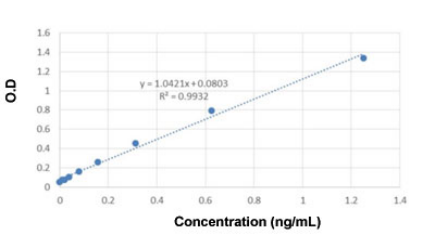
Anti-Daratumumab recombinant monoclonal antibody, clone 6A3

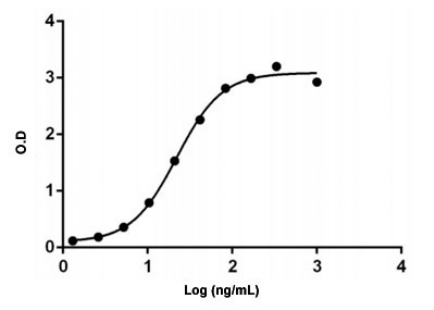
Catalog # RAB09603 Size 40 ug

Applications



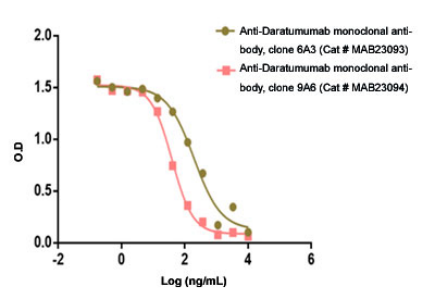
Sandwich ELISA

The Sandwich ELISA assay is developed by using Anti-Daratumumab monoclonal antibody, clone 11F2 (Cat # RAB09602) and Anti-Daratumumab monoclonal antibody, clone 6A3 (Cat # RAB09603) as the capture and detection antibodies, respectively. In this ELISA assay, Anti-Daratumumab monoclonal antibody, clone 6A3 was labeled with Biotin. The sensitivity of detecting Daratumumab is up to 0.039 ng/mL.



Enzyme-linked Immunoabsorbent Assay

ELISA binding of Anti-Daratumumab monoclonal antibody, clone 6A3 (Cat # RAB09603) with Daratumumab. Coating antigen: Daratumumab, 1 ug/mL. Anti-Daratumumab monoclonal antibody, clone 6A3 dilutions start from 1000 ng/mL. EC_{50} = 22.05 ng/mL. While the antibody does not recognize the human IgG Fc fragment (data not shown).



Blocking

Anti-Daratumumab monoclonal antibody, clone 6A3 (Cat # RAB09603) blocks Daratumumab binding with Human CD38 recombinant protein. Coating antigen: CD38 0.5 ug/mL. Daratumumab final concentration: 60 ng/mL. Anti-Daratumumab antibody dilutions start from 30 ug/mL. IC_{50} = 0.582 ug/mL.

Specification

Product Description	Recombinant mouse monoclonal antibody raised against Daratumumab. Target gene is CD38.

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Immunogen	Daratumumab.
Host	Mouse
Specificity	The product is specific for Daratumumab. The antibody is recommended as a detection antibody in a pharmacokinetic (PK) bridging assay with capture antibody : Anti-Daratumumab recombinant monoclonal antibody, clone 11F2 (Cat # RAB09602).
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.
Purification	Protein A purification
Isotype	IgG1
Recommend Usage	Blocking (10-50 ug/mL) ELISA (0.01-0.1 ug/mL (Direct/Indirect/Inhibitory)) Sandwich ELISA The optimal working dilution should be determined by the end user.
Inhibitory IC50	0.582 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 — CD38

Entrez GeneID	952
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
- Diabetes Mellitus

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

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