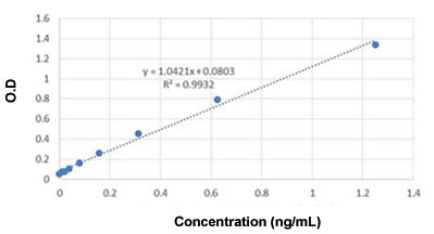
Anti-Daratumumab recombinant monoclonal antibody, clone 11F2

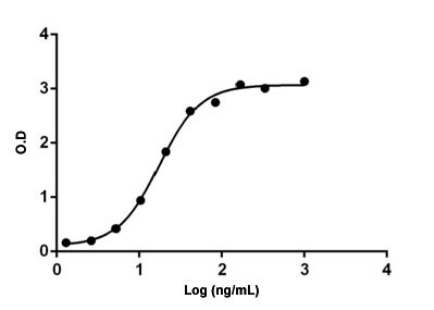
Catalog # RAB09602 Size 40 ug

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 11F2 (Cat # RAB09602) with Daratumumab. Coating antigen: Daratumumab, 1 ug/mL. Anti-Daratumumab monoclonal antibody, clone 11F2 dilutions start from 1000 ng/mL. EC_{50} = 17.40 ng/mL. While the antibody does not recognize the human IgG Fc fragment (data not shown).

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. The antibody is recommended as a capture antibody in a pharmacokinetic (PK) bridging assay with detection antibody : Anti-Daratumumab recombinant monoclonal antibody, clone 6A3 (Cat # RAB09603).
Form	Lyophilized

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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	ELISA (0.01-1 ug/mL (Direct/Indirect)) Sandwich ELISA The optimal working dilution should be determined by the end user.
Inhibitory IC50	Non-inhibitory
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

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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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