

# Human CD38 Monoclonal Antibody

Catalog No.: YR0007

## Basic Information

### Molecular Weight

150 kDa

### Endotoxin

<1EU/mg (<0.001EU/μg) Determined by LAL gel clotting assay

### Sterility

0.2 μm filtration

### Aggregation

<5% Determined by SECP

### Purity

>95% Determined by SEC-HPLC

## Background

Daratumumab Biosimilar uses the same protein sequences as the therapeutic antibody daratumumab. Daratumumab (Anti-Human CD38) is the first-in-class human-specific anti-CD38 monoclonal antibody. Daratumumab has anti-multiple myeloma (MM) effect. Daratumumab impairs MM cell adhesion, which results in an increased sensitivity of MM to proteasome inhibition.

## Reported Applications

ELISA, neutralization, functional assays such as bioanalytical PK and ADA assays, and those assays for studying biological pathways

## Immunogen Information

### Clone

Daratumumab Biosimilar

### Isotype

human IgG1 kappa

### Immunogen

Human CD38

### Recommended Isotype Control(s)

In Vivo Grade Recombinant Human IgG1 Kappa Isotype Control Antibody

### Recommended Dilution Buffer

1×PBS pH 7.3

## Contact

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## Product Information

### Production

Purified from cell culture supernatant in an animal-free facility

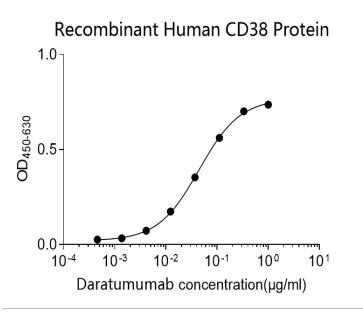
### Purification

Protein A or G purification

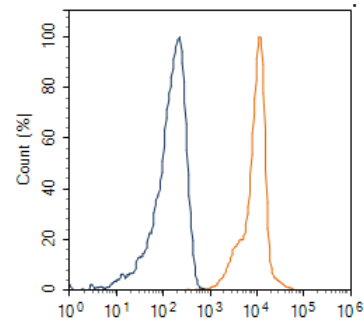
### Storage

Store at 2 - 8°C. 2 - 8°C for up to 4 weeks and -80°C for long term storage (Avoid repeated freezing and thawing)

# Validation Data



Direct ELISA binding curve demonstrating the recognition of Human Anti-Human CD38 (Research Grade Daratumumab Biosimilar) Monoclonal Antibody to CD38. The target protein was coated onto the microplate well surface, followed by binding of the antibody. A donkey anti-human IgG HRP conjugate was used for detection.



Detection of CD38 in Human PBMCs cell line by Flow Cytometry. Human PBMCs cell line was stained with Biotinylated Human Anti-Human CD38 (Daratumumab Biosimilar) Monoclonal Antibody followed by APC conjugated NeutrAvidin Secondary Antibody, or unstained cells (open blue histogram).