

# Human CD52 Monoclonal Antibody

Catalog No.: YR0012

## 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 SDS-PAGE

## Background

Alemtuzumab Biosimilar uses the same protein sequences as the therapeutic antibody alemtuzumab. Alemtuzumab is a medication used to treat chronic lymphocytic leukemia (CLL) and multiple sclerosis. In CLL, it has been used as both a first line and second line treatment. In MS it is generally only recommended if other treatments have not worked. It is given by injection into a vein. It is a monoclonal antibody that binds to CD52, a protein present on the surface of mature lymphocytes, but not on the stem cells from which these lymphocytes are derived. After treatment with alemtuzumab, these CD52-bearing lymphocytes are targeted for destruction.

## Reported Applications

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

## Immunogen Information

### Clone

Alemtuzumab Biosimilar

### Isotype

Human IgG1 kappa

### Immunogen

Human CD52

### Recommended Isotype Control(s)

In Vivo Grade Recombinant Human IgG1 Kappa Isotype Control Antibody

### Recommended Dilution Buffer

1×PBS pH 7.0

## 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

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