

# Human CD80 Monoclonal Antibody

Catalog No.: YR0116

## 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

A humanized IgG1 monoclonal antibody directed against CD80, the natural ligand for the T-cell antigen CD28 which mediates T-cell and B-cell adhesion. Galiximab binds to CD80 expressed on the cell surfaces of follicular lymphomas, resulting in antibody-dependent cell-mediated cytotoxicity (ADCC). CD80 is expressed on activated B-cells and gamma-interferon-stimulated monocytes and is often expressed at low levels on the surfaces of follicular lymphoma cells and other lymphoid malignancies. Galiximab, an IgG(1) anti-CD80 antibody, binds to CD80, a costimulatory molecule involved in T-cell activation. Reduction in lesional, activated T cells induces improvement in psoriatic plaques.

## Reported Applications

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

## Immunogen Information

### Clone

Galiximab Biosimilar

### Isotype

Human IgG1 kappa

### Immunogen

Human CD80

### Recommended Isotype Control(s)

In Vivo Grade Recombinant Human IgG1 Kappa Isotype Control Antibody

### Recommended Dilution Buffer

1×PBS pH 6.0

## 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

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)