

# Human IL4R alpha Monoclonal Antibody

Catalog No.: YR0148

## 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

What is dupilumab biosimilar research grade? Dupilumab is a monoclonal antibody blocking interleukin 4 and interleukin 13, used for allergic diseases such as eczema (atopic dermatitis), asthma and nasal polyps which result in chronic sinusitis. It is also used for the treatment of eosinophilic esophagitis and prurigo nodularis. Dupilumab binds to the alpha subunit of the interleukin-4 receptor (IL-4Ra), making it a receptor antagonist. Through blockade of IL-4Ra, dupilumab modulates signaling of both the interleukin 4 and interleukin 13 pathways. Dupilumab biosimilar uses the same protein sequences as the therapeutic antibody dupilumab.

## Reported Applications

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

## Immunogen Information

### Clone

Dupilumab Biosimilar

### Isotype

Human IgG4 kappa

### Immunogen

Human IL4R alpha

### Recommended Isotype Control(s)

In Vivo Grade Recombinant Human IgG4 Kappa Isotype Control Antibody

### Recommended Dilution Buffer

1×PBS pH 5.2

## 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)