

# Human IL-12 / IL-23 Monoclonal Antibody

Catalog No.: YR0104

## 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 Ustekinumab Biosimilar research grade? Ustekinumab is a human anti-IL-12 / IL-23 monoclonal antibody being developed for the treatment of a number of T-cell driven autoimmune diseases. It targets and neutralize interleukin-12 and interleukin-23, two proteins associated with inflammation, such as pro-inflammatory interleukins or tumor necrosis factor- alpha. Ustekinumab represents a novel approach to treating psoriasis, Multiple Sclerosis, Crohn's Disease and other autoimmune and inflammatory disorders. Ustekinumab biosimilar uses the same protein sequences as the therapeutic antibody ustekinumab.

## Reported Applications

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

## Immunogen Information

### Clone

Ustekinumab Biosimilar

### Isotype

Human IgG1 kappa

### Immunogen

Human IL-12 / IL-23

### Recommended Isotype Control(s)

In Vivo Grade Recombinant Human IgG1 Kappa Isotype Control Antibody

### Recommended Dilution Buffer

1xPBS 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)