

# Anti-IL23A hlgG1 Reference Antibody (Risbio)

## Product Information

<b>Product Name</b>	Anti-IL23A hlgG1 Reference Antibody (Risbio)
<b>Storage temp.</b>	Store at 2-8°C short term (1-2 weeks).Store at $\leq -20^{\circ}\text{C}$ long term. Avoid repeated freeze-thaw.
<b>Catalog# / Size</b>	<b>GM-88013MAB-1mg / 1 mg</b> <b>GM-88013MAB-5mg / 5 mg</b> <b>GM-88013MAB-25mg / 5 mg*5 vials</b> <b>GM-88013MAB-50mg / 50 mg</b> <b>GM-88013MAB-100mg / 50 mg*2 vials</b>

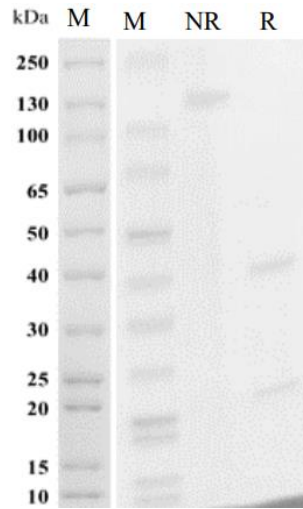
## Antibody Information

<b>Expression System</b>	CHO
<b>Aggregation</b>	< 5% as determined by SEC-HPLC
<b>Purity</b>	> 95% as determined by SDS-PAGE
<b>Endotoxin</b>	< 1 EU/mg, determined by LAL gel clotting assay
<b>Sterility</b>	0.2 $\mu\text{m}$ Filtered
<b>Target</b>	IL23A
<b>Clone</b>	risankizumab
<b>Alternative Names</b>	IL-23, IL-23A, IL23P19, P19, SGRF
<b>Source/Isotype</b>	Human IgG1(LALA REEM), Kappa
<b>Application</b>	Bioactivity-ELISA
<b>Description</b>	IL-23A encodes the p19 subunit of Interleukin-23, a cytokine that plays an important role in the immune response and is secreted by dendritic cells, macrophages and other Antigen-presenting cell. Risankizumab (Skyrizi) is a humanized monoclonal antibody that works by targeting the p19 subunit of Interleukin-23(IL-23) . RISANKIZUMAB specifically binds to the p19 subunit of IL-23 and blocks the interaction between IL-23 and its receptor, thereby inhibiting Th17 cell differentiation and the release of proinflammatory factors such as IL-17 and IL-22. Risankizumab alleviates pathological damage by inhibiting the IL-23/Th17 inflammatory axis, reducing inflammatory cell infiltration and cytokine storm in tissues such as the skin, intestine, and so on.
<b>Formulation</b>	phosphate-buffered solution, pH 7.2-7.4.

Version:3.1

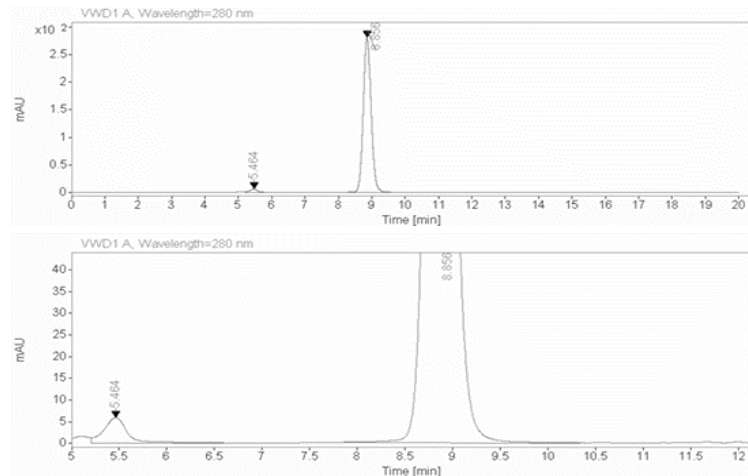
## Data Examples

### SDS-PAGE



On SDS-PAGE under reducing (R)/non-reducing(N-R) condition. The purity of the protein is greater than 95%.

### SEC-HPLC



The purity of this product is more than 95% verified by SEC-HPLC

## Bioactivity-ELISA

Cynomolgus IL-23A & Human IL-12B Heterodimer Protein; His Tag (Catalog # GM-88027RP) was immobilized at 2 µg/ml (100 µL/well) on Anti-His mIgG2a Antibody (Catalog # GM-59493AB) (0.6 µg/well) precoated. Increasing concentrations of Anti-IL23A hIgG4 Reference Antibody (Risbio) (Catalog # GM-88013MAB) were added

**Bioactivity-ELISA**  
0.6 µg Anti-His mIgG2a Antibody+0.2 µg Cynomolgus IL-23A & human IL-12B Heterodimer Protein; His Tag of per well

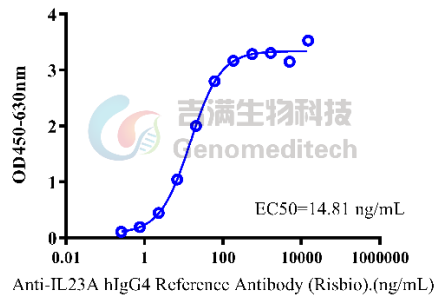


Fig. Assay

## Bioactivity-ELISA

Cynomolgus IL-23A & Mouse IL-12B Heterodimer Protein; His Tag (Catalog # GM-88030RP) was immobilized at 2 µg/ml (100 µL/well) on Anti-His mIgG2a Antibody (Catalog # GM-59493AB) (0.6 µg/well) precoated. Increasing concentrations of Anti-IL23A hIgG4 Reference Antibody (Risbio) (Catalog # GM-88013MAB) were added.

**Bioactivity-ELISA**  
0.6 µg Anti-His mIgG2a Antibody+0.2 µg Cynomolgus IL-23A & Mouse IL-12B Heterodimer Protein; His Tag of per well

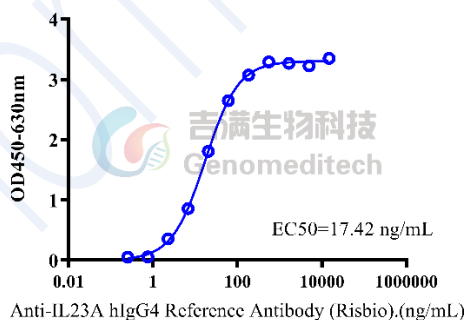


Fig. Assay