

## Anti-IL-23 Polyclonal Antibody

### Product Details

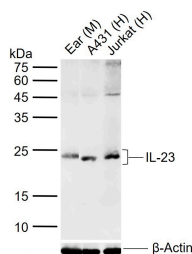
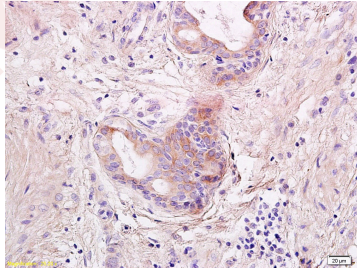
Ig Type: IgG  
Reactivity: Human, Mouse (predicted: Rat)  
Molecular Weight: Theoretical: 21 kDa. Actual: 21 kDa.  
Purification: Protein A purified

### Applications

1. Tissue/cell: human rhinopolypus tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;  
Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min;  
Incubation: Anti-IL-23 Polyclonal Antibody, Unconjugated (TMAB-00956) 1:300, overnight at 4°C, followed by conjugation to the secondary antibody and DAb staining.

Verified Activity:

2. Sample:  
Lane 1: Mouse Ear tissue lysates  
Lane 2: Human A431 cell lysates  
Lane 3: Human Jurkat cell lysates  
Primary: Anti-IL-23 (TMAB-00956) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 21 kDa  
Observed band size: 21 kDa



Application: ELISA, IF, IHC-Fr, IHC-P, WB

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; ELISA: 1:5000-10000

### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

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### Antigen Details

Immunogen: KLH conjugated synthetic peptide: human IL-23A

Antigen Species: Human

Gene ID: 51561

Uniprot ID: Q9NPF7

Synonyms: SGRF;IL-23;IL23;IL23P19;P19;IL-23A

Biology Area: Interleukins,Interleukins

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### Research Background

IL-23 is a heterodimeric cytokine composed of two subunits: a unique p19 subunit, and a p40 subunit that is shared with IL-12. IL-23 is secreted by activated dendritic cells and macrophages. IL-23 binds to a heterodimeric receptor complex composed of IL12RB1 and IL23R, activates the Jak-Stat signaling cascade, stimulates memory rather than naive T cells and promotes production of proinflammatory cytokines, such as IFN $\gamma$  and IL-17. IL-23 induces autoimmune inflammation and thus may be responsible for autoimmune inflammatory diseases and may be important for tumorigenesis. This recombinant human IL-23 is produced by human cells.(Tag free) Biological activity: The activity was measured by its ability to induce the IL-17 expression in murine splenocytes.

Reconstitution: Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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