

Nur für Forschungszwecke

# NeutraControl IL-23 p40 Monoklonaler Antikörper



Katalog-Nr.: 69506-1-Ig

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 69506-1-Ig	<b>GenBank-Zugangsnummer:</b> GeneID (NCBI): 51561	<b>Reinigungsmethode:</b> Protein-A-Reinigung
<b>Größe:</b> 100ug	<b>Vollständiger Name:</b> interleukin 23, alpha subunit p19	<b>CloneNo.:</b> 1A9B9
<b>Wirt:</b> Maus		
<b>Isotyp:</b> IgG2a		
<b>Immunogen Katalognummer:</b> HZ-1254		

## Anwendungen

**Geprüfte Anwendungen:**  
Non-Neutralization, ELISA

**Getestete Reaktivität:**  
Human

## Hintergrundinformationen

Interleukin 23 (IL-23) is a member of the IL12 cytokine family and composed of two subunits, IL12p40 and IL23p19. It is produced by antigen presenting cells and has been shown to promote the production and survival of a distinct lineage of T-cells called TH17 cells. A functional receptor for IL-23 (the IL-23 receptor) has been identified and is composed of IL-12R $\beta$ 1 and IL-23R. IL-23 is expressed chiefly by the macrophages and DCs. The IL-23R is found on memory T cells, NKT cells, macrophages, DCs, and naive T cells upon activation by TGF- $\beta$  and IL-6. The main biological effects of IL-23 identified initially are stimulation of antigen presentation by DCs, T cell differentiation to Th17 cells, and production of interferon- $\gamma$  (IFN- $\gamma$ ). IL-23 acts also as an end-stage effector cytokine through direct action on macrophages (PMID: 16393998;15657292;12023369;12610626).

This antibody is a neutralizing control antibody for IL-23 p40, the immunogen is the same as Neutrakine 69006-1-Ig but could not neutralize human IL-23 p40.

## Lagerung

**Lagerungsbedingungen:**  
Lyophilisierte Antikörper sind bei Lagerung zwischen (-20°C) und (-80°C) 1 Jahr ab Empfangsdatum stabil. Bei Rekonstitution empfehlen wir, die Lösung kurzfristig bei (4°C) oder langfristig bei (-20°C) bis (-80°C). Rekonstituierte Produkte sollten nicht wiederholt eingefroren und wieder aufgetaut werden.

**Lagerungspuffer:**  
Sterile PBS.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

**\*\*\* 20ul-Größen enthalten 0.1% BSA**

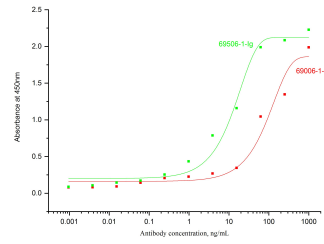
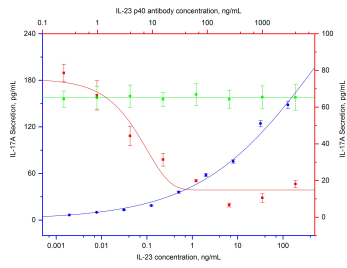
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## Ausgewählte Validierungsdaten



Recombinant human IL-23 (Cat.NO. HZ-1254) induces in vitro cultured mouse splenocytes to secrete IL-17A in a dose-dependent manner (blue curve, refer to bottom X-left Y axis). The activity of human IL-23 (4 ng/mL HZ-1254) is neutralized by mouse anti-human IL-23 p40 monoclonal antibody 69006-1-Ig at serial dose (red curve, refer to top X-right Y). The ND50 is typically 8-30 ng/mL. The NeutraControl mouse anti-human IL-23 p40 monoclonal antibody 69506-1-Ig could

Indirect ELISA was carried out by coating recombinant Human IL-23 (Cat.NO. HZ-1254) at 70 ng/well followed by blocking and adding serial diluted IL-23 antibody 69006-1-Ig and 69506-1-Ig respectively. Signal was developed with TMB and stopped by H2SO4. Signal strength was measured by absorbance at 450 nm.