

AG-25A-0056

15-Oct-2010

anti-IL-23p19, pAb

[Interleukin-23 Subunit p19; Interleukin-23 Subunit α IL-23-A]

AG-25A-0056-C100 100 μ g
Source/Host Rabbit
Immunogen Recombinant mouse IL-23p19.

Handling / Storage

Shipping BLUE ICE
Short Term Storage +4°C
Long Term Storage -20°C

After opening, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles.

Use / Stability

MSDS available at www.adipogen.com or upon request.

Product Specifications

Specificity Recognizes mouse IL-23p19. Detects a band of ~23kDa by Western blot. Cross-reacts with human IL-23p19. Does not cross-react with human IL23p40.
Species Crossreactivity Human / Mouse
Application **ELISA:** (direct and indirect: 1:2'000-1:10'000)
Western Blot: (1:2'000-1:10'000 using ECL; suggested blocking and dilution buffer is PBST containing 0.05% Tween 20 and 5% skim milk; suggested incubation time is 1 hour at room temperature).
Optimal conditions must be determined individually for each application.
Formulation Liquid. 0.2 μ m-filtered solution in PBS, pH 7.4. Contains no preservatives.
Concentration 1mg/ml

Product Description

IL-23p19 associates with IL-12b to form the IL-23 interleukin, an heterodimeric cytokine which functions in innate and adaptive immunity. IL-23 binds to an heterodimeric receptor complex composed of IL-12RB1 and IL-23R, activates the Jak-Stat signaling cascade, stimulates memory rather than naive T-cells and promotes production of proinflammatory cytokines. IL-23 induces autoimmune inflammation and thus may be responsible for autoimmune inflammatory diseases and may be important for tumorigenesis.

WARNING: Intended for research use only. This product is not intended or approved for human, diagnostics, therapeutic or veterinary use. Use of this product for human or animal testing is extremely hazardous and may result in disease, severe injury, or death. **MATERIAL SAFETY DATA:** Review the complete Material Safety Data Sheet before use.

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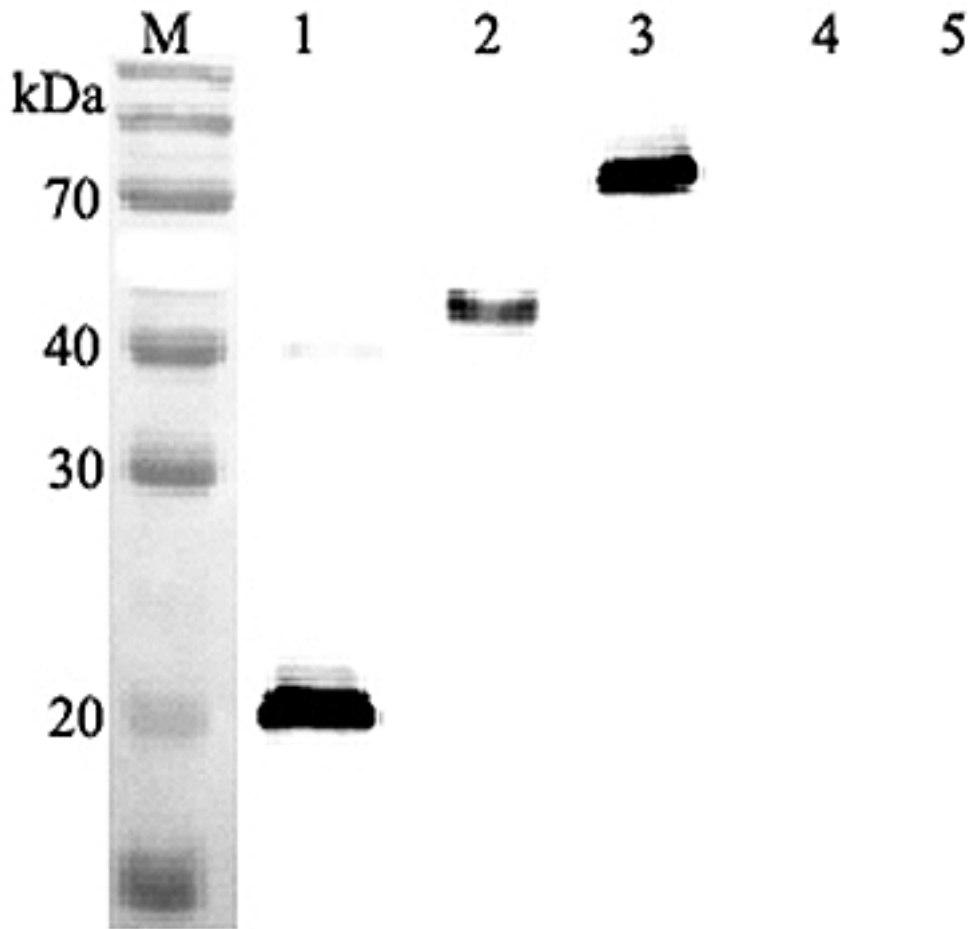


Figure 1: Western blot analysis using anti-IL-23p19, pAb (Prod. No. AG-25A-0056) at 1:2'000 dilution.

- 1: Mouse IL-23p19 (FLAG[®]-tagged).
- 2: Human IL-23p19 Fc-protein.
- 3: Human IL-23 single chain (FLAG[®]-tagged).
- 4: Human IL-23p40 Fc-protein.
- 5: Human ANGPTL4 (FLAG[®]-tagged) (negative control).

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