

AM31213AF-N**Monoclonal Antibody to Interleukin-23 alpha / IL23A - Azide Free**

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| Alternate names: | IL-23 subunit alpha, IL-23p19, Interleukin-23 subunit p19, SGRF |
| Quantity: | 0.5 mg |
| Concentration: | 1.0 mg/ml |
| Background: | The p19 shares sequence similarity with IL-6 subfamily members and is distantly related to the p35 subunit of IL-12. It shows no biological activity by itself; instead, it combines with the p40 subunit of IL-12 to form a biologically active, composite cytokine, IL-23. IL-23 shares some in vivo functions with IL-12, including the activation of the transcription factor Stat4. Similar to IL-12, human IL-23 stimulates IFN-g production and proliferation in PHA blast T cells, as well as in CD45RO (memory) T cells. Ubiquitous transgenic expression of the IL-23 subunit p19 induces multiorgan inflammation, runting, infertility, and premature death. |
| Uniprot ID: | Q9NPF7 |
| NCBI: | NP_057668 |
| GeneID: | 51561 |
| Host / Isotype: | Mouse / IgG1 |
| Clone: | B-Z23 |
| Immunogen: | Recombinant Human IL-23 (sub-unit p19) Remarks: Hybridoma: Myeloma X63/AG.8653 x Balb/c spleen cells |
| Format: | State: Liquid purified IgG fraction Purification: Ion Exchange Chromatography Buffer System: Phosphate-buffered saline. Sterile-filtered through 0.22 µm and treated to remove endotoxins. Carrier and preservative free. |
| Applications: | Functional Assays: Neutralises the bioactivity of rhIL-23 on Mouse splenocytes C57Bl/6 (measurement of mL-17 or mL-22 production). Immunohistochemistry on Paraffin Embedded Sections. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. |
| Specificity: | This antibody recognizes both recombinant and natural IL-23, p19 sub-unit. Species: Human. Other species not tested. |
| Storage: | Store the antibody undiluted at 2-8°C. Shelf life: one year from despatch. |
| General Readings: | Obregon, C. et al., PLoS One, 2015; 10(4): e0120134 |

Pictures:

Labelling on Paraffin Section from psoriasis lesions with IL23 Antibody Clone B-Z23 diluted at 1/500 (background colouration by DAPI).

