

Product datasheet for **AM20386PU-N**

IL23 (IL23A) Mouse Monoclonal Antibody [Clone ID: HLT2736]

Product data:

Product Type:	Primary Antibodies
Clone Name:	HLT2736
Applications:	IHC, WB
Recommended Dilution:	Immunohistochemistry on Paraffin Sections: 10 µg/ml. Western Blot.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant Human IL23A / IL23 protein
Specificity:	Detects Human recombinant p40 and p19 with elastin linker.
Formulation:	PBS, pH 7.2, sourced in TCS State: Purified State: Liquid purified Ig fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	interleukin 23 subunit alpha
Database Link:	Entrez Gene 51561 Human Q9NPF7



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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.

Synonyms:

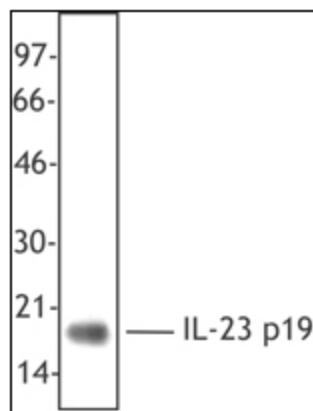
IL-23 subunit alpha, SGRF, Interleukin-23 subunit p19, IL-23p19

Protein Families:

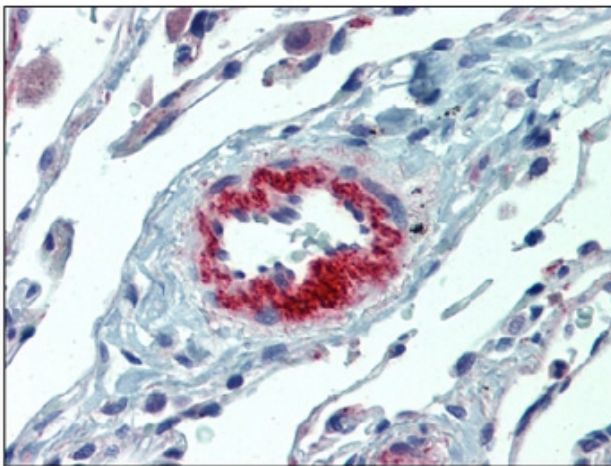
Druggable Genome, Secreted Protein

Protein Pathways:

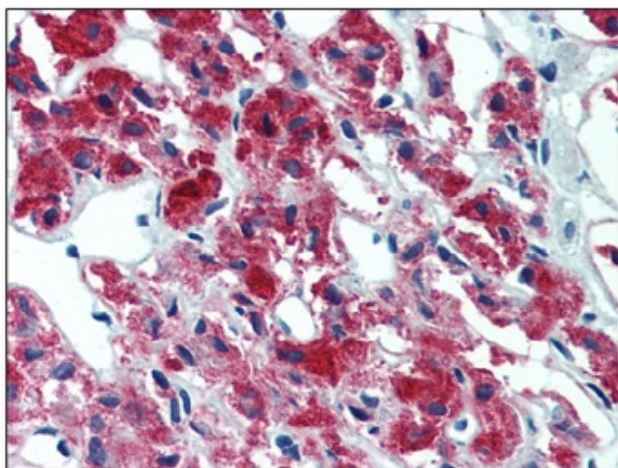
Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway

Product images:


Linker-free, recombinant Human IL-23 was resolved by electrophoresis, transferred to nitrocellulose and probed with the anti-IL23 p19 specific HLT2736 antibody. Proteins were visualized using a Goat anti-Mouse secondary conjugated to HRP and a chromogen.



IL-23 staining of Formalin-Fixed, Paraffin-Embedded Human Lung, vasculature



IL-23 staining of Formalin-Fixed, Paraffin-Embedded Human Adrenal.