



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet Rabbit Anti-Interleukin-23 (IL-23) p19

Catalog No.
MD-14-1134

Host Animal
Rabbit

Description

Rabbit anti IL-23 (NT) p19
Rabbit Antibody to Human Interleukin 23 (IL-23) N-terminal (p19)

Specificity

Reacts with the N-terminal of human and mouse IL-23.
IL-23 is a recently discovered member of the IL-6/IL-12 family of proinflammatory and immunoregulatory cytokines(1). It exists as a heterodimer composed of the IL-12p40 subunit and a novel p19 subunit(2). IL-23 is secreted by activated dendritic cells, macrophages, and monocytes.

Immunogen

Synthetic peptide corresponding to 16 amino acids near the amino terminus of human IL-23 (Genbank accession No. AAH66268)

Format

Affinity Purified by immunoaffinity chromatography, Liquid

Concentration

1mg/ml

Buffer

PBS with 0.02% Sodium azide as preservation.

Applications

Suitable for use in Western blot (1–2ug/ml). Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

Storage

Store (up to 1 year) at 2–8 C.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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References

1. Hunter, C.A., (2005), "New IL-12-family members: IL-23 and IL-27, cytokines with divergent functions", *Nat. Rev. Immunol.*, 5:521–531.
2. Oppmann, B., et al., (2000), "Novel p19 protein engages IL-12p40 to form a cytokine, IL-23, with biological activities similar as well as distinct from IL-12", *Immunity*, 13:715–725.
3. Sheibanie, A.F., et al., (2004), "Prostaglandin ED induces IL-23 production in bone marrow-derived dendritic cells", *FASEB J.*, 18:1318–1320.
4. Pirhonen, J., et al., (2002), "Regulation of virus-induced IL-12 and IL-23 expression in human macrophages", *J. Immunol.*, 169:5673–5678.
5. Hao, J-S., and Shan, B-E., (2006) "Immune enhancement and anti-tumor activity of IL-23", *Cancer Immunol. Immunother.*, 55(11):1426–1431.

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